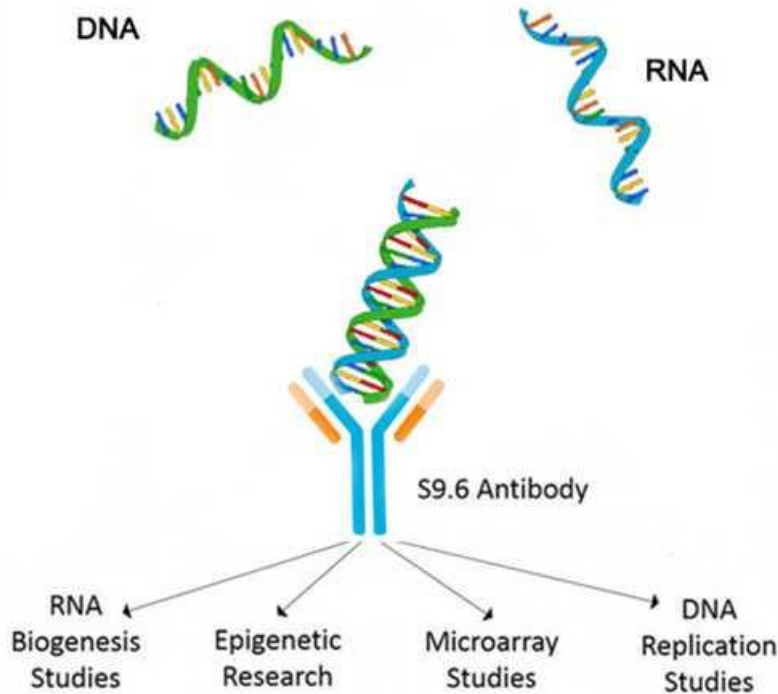


抗DNA-RNA杂交[S9.6]抗体,100ug

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产品图片



产品英文名称

[Anti-DNA-RNA Hybrid \[S9.6\] Antibody, 100ug](#)

产品别名

[Kerafast独特的生物试剂](#)

货号/SKU

ENH001

货号/规格

100ug

库存与交货期

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人民币价格

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产品基础信息

From the laboratory of Stephen H. Leppla, PhD, National Institute of Allergy and Infectious Diseases/NIH.

产品描述信息

Product Type:

Antibody

Name: Anti-DNA-RNA Hybrid [S9.6]
 Antigen: S9.6 Φ X174 bacteriophage-derived synthetic DNA-RNA antigen
 Isotype: Rabbit IgG
 Fusion Tag(s): Mouse Fab version contains His-tag
 Clone Name: S9.6
 Reactivity: High specificity and affinity for DNA/RNA hybrids and other A-form nucleic acid hybrids
 Immunogen: Φ X174 bacteriophage-derived synthetic DNA/RNA
 Purification Method: Protein A/G
 Buffer: **ENH001:** PBS, 0.05% (w/v) Sodium Azide
Ab01137- : PBS with 0.02% Proclin 300

Dot Blot Analysis: 0.2 μ g/mL.

Affinity Binding Assay: Clone S9.6 bound the DNA-RNA heteropolymer and poly(l)-poly(dC) equally, but 100-fold higher levels of poly(A)-poly(dT) were required to achieve a similar degree of binding. Single-stranded DNA, double-stranded DNA and RNA, and ribosomal RNA were not bound by clone S9.6 (Boguslawski, S.J., et al. (1986). *J. Immunol Methods*. 89(1):123-130).

Chromatin Immunoprecipitation (ChIP) Analysis: A representative lot detected increased DNA RNA hybrids at four actively transcribed genes upon shRNA-mediated knockdown of BRCA1 or BRCA2, but not PCID2 or RAD51 in HeLa cells (Bhatia, V., et al. (2014). *Nature*. 511(7509):362-365).

Chromatin Immunoprecipitation (ChIP) Analysis: A representative lot detected R-loops formed over beta-actin gene using HeLa chromatin preparation. RNase H treatment of the chromatin preparation prevented clone S9.6 from immunoprecipitating target chromatin fragments (Skourti-Stathaki, K., et al. (2011). *Mol. Cell*. 42(6):794-805).

Chromatin Immunoprecipitation-sequencing (ChIP-seq) Analysis: A representative lot detected genome-wide distribution of DNA-RNA hybrids in budding yeast by ChIP-seq analysis (El Hage, A., et al. (2014). *PLoS Genet*. 10(10):e1004716).

Immunocytochemistry Analysis: Representative lots immunolocalized nuclear R loops by fluorescent immunocytochemistry staining of methanol-fixed H1 human embryonic stem cells (hESCs) and formaldehyde-fixed HeLa cells (Bhatia, V., et al. (2014). *Nature*. 511(7509):362-365; Ginno, P.A., et al. (2012). *Mol. Cell*. 45(6):814-825).

Immunoprecipitation Analysis: A representative lot immunoprecipitated in vitro transcribed R-loop substrate (DNA-RNA hybrid), but not double-stranded DNA (dsDNA) (Ginno, P.A., et al. (2012). *Mol. Cell*. 45(6):814-825).

See also: S9.6 Publications by Application

Tested Applications:

产品安全信息

Anti-DNA-RNA Hybrid [S9.6] Antibody - Publications by Application »Phillips DD, Garboczi DN, Singh K, Hu Z, Leppla SH, Leysath CE. The sub-nanomolar binding of DNA-RNA hybrids by the single-chain Fv fragment of antibody S9.6. *J Mol Recognit*. 2013 Aug;26(8):376-81. Boguslawski SJ, Smith DE, Michalak MA, Mickelson KE, Yehle CO, Patterson WL, Carrico RJ. Characterization of monoclonal antibody to DNA:RNA and its application to immunodetection of hybrids. *J Immunol Methods*. 1986 May 1;89(1):123-30. Yehle CO, Patterson WL, Boguslawski SJ, Albarella JP, Yip KF, Carrico RJ. A solution hybridization assay for ribosomal RNA from bacteria using biotinylated DNA probes and enzyme-labeled antibody to DNA:RNA. *Mol Cell Probes*. 1987 Jun;1(2):177-93. Miller CA, Patterson WL, Johnson PK, Swartzell CT, Wogoman F, Albarella JP, Carrico RJ. Detection of bacteria by hybridization of rRNA with DNA-latex and immunodetection of hybrids. *J Clin Microbiol*. 1988 Jul;26(7):1271-6. Casebolt DB, Stephensen CB. Monoclonal antibody solution hybridization assay for detection of mouse hepatitis virus infection. *J Clin Microbiol*. 1992 Mar;30(3):608-12. Hu Z, Zhang A, Storz G, Gottesman S, Leppla SH. An antibody-based microarray assay for small RNA detection. *Nucleic Acids Res*. 2006 Apr 13;34(7):e52. Székvolgyi L, Rákossy Z, Bálint BL, Kókai E, Imre L, Vereb G, Bacsó Z, Goda K, Varga S, Balázs M, Dombrádi V, Nagy L, Szabó G. Ribonucleoprotein-masked nicks at 50-kbp intervals in the eukaryotic genomic DNA. *Proc Natl*

Acad Sci U S A. 2007 Sep 18;104(38):14964-9. Dutrow N, Nix DA, Holt D, Milash B, Dalley B, Westbroek E, Parnell TJ, Cairns BR. Dynamic transcriptome of *Schizosaccharomyces pombe* shown by RNA-DNA hybrid mapping. *Nat Genet.* 2008 Aug;40(8):977-86. Pohjoismäki JL, Holmes JB, Wood SR, Yang MY, Yasukawa T, Reyes A, Bailey LJ, Cluett TJ, Goffart S, Willcox S, Rigby RE, Jackson AP, Spelbrink JN, Griffith JD, Crouch RJ, Jacobs HT, Holt IJ. Mammalian mitochondrial DNA replication intermediates are essentially duplex but contain extensive tracts of RNA/DNA hybrid. *J Mol Biol.* 2010 Apr 16;397(5):1144-55. El Hage A, French SL, Beyer AL, Tollervey D. Loss of Topoisomerase I leads to R-loop-mediated transcriptional blocks during ribosomal RNA synthesis. *Genes Dev.* 2010 Jul 15;24(14):1546-58. Sípová H, Zhang S, Dudley AM, Galas D, Wang K, Homola J. Surface plasmon resonance biosensor for rapid label-free detection of microribonucleic acid at subfemtomole level. *Anal Chem.* 2010 Dec 15;82(24):10110-5. Skourti-Stathaki K, Proudfoot NJ, Gromak N. Human senataxin resolves RNA/DNA hybrids formed at transcriptional pause sites to promote Xrn2-dependent termination. *Mol Cell.* 2011 Jun 24;42(6):794-805. Ginno PA, Lott PL, Christensen HC, Korf I, Chédin F. R-loop formation is a distinctive characteristic of unmethylated human CpG island promoters. *Mol Cell.* 2012 Mar 30;45(6):814-25. Tran HV, Piro B, Reisberg S, Duc HT, Pham MC. Antibodies directed to RNA/DNA hybrids: an electrochemical immunosensor for microRNAs detection using graphene-composite electrodes. *Anal Chem.* 2013 Sep 3;85(17):8469-74. Rigby RE, Webb LM, Mackenzie KJ, Li Y, Leitch A, Reijns MA, Lundie RJ, Revuelta A, Davidson DJ, Diebold S, Modis Y, Macdonald AS, Jackson AP. RNA:DNA hybrids are a novel molecular pattern sensed by TLR9. *EMBO J.* 2014 Mar 18;33(6):542-58. El Hage A, Webb S, Kerr A, Tollervey D. Genome-Wide Distribution of RNA-DNA Hybrids Identifies RNase H Targets in tRNA Genes, Retrotransposons and Mitochondria. *PLoS Genet.* 2014 Oct 30;10(10):e1004716. Yeo AJ, Becherel OJ, Luff JE, Cullen JK, Wongsurawat T, Jenjaroenpun P, Kuznetsov VA, McKinnon PJ, Lavin MF. R-loops in proliferating cells but not in the brain: implications for AOA2 and other autosomal recessive ataxias. *PLoS One.* 2014 Mar 17;9(3):e90219. View Article Bhatia V, Barroso SI, García-Rubio ML, Tumini E, Herrera-Moyano E, Aguilera A. BRCA2 prevents R-loop accumulation and associates with TREX-2 mRNA export factor PCID2. *Nature.* 2014 Jul 17;511(7509):362-5. Koo CX, Kobiyama K, Shen YJ, LeBert N, Ahmad S, Khatoor M, Aoshi T, Gasser S, Ishii KJ. RNA polymerase III regulates cytosolic RNA:DNA hybrids and intracellular microRNA expression. *J Biol Chem.* 2015 Mar 20;290(12):7463-73. doi: 10.1074/jbc.M115.636365. Epub 2015 Jan 26. Jenjaroenpun P, Wongsurawat T, Yenamandra SP, Kuznetsov VA. QmRLFS-finder: a model, web server and stand-alone tool for prediction and analysis of R-loop forming sequences. *Nucleic Acids Res.* 2015 Nov 16;43(20):10081. View Article Aronica L, Kasperek T, Ruchman D, Marquez Y, Cipak L, Cipakova I, Anrather D, Mikolaskova B, Radtke M, Sarkar S, Pai CC, Blaikley E, Walker C, Shen KF, Schroeder R, Barta A, Forsburg SL, Humphrey TC. The spliceosome-associated protein Nrl1 suppresses homologous recombination-dependent R-loop formation in fission yeast. *Nucleic Acids Res.* 2015 Dec 17. pii: gkv1473. View Article Bersani F, Lee E, Kharchenko PV, Xu AW, Liu M, Xega K, MacKenzie OC, Brannigan BW, Wittner BS, Jung H, Ramaswamy S, Park PJ, Maheswaran S, Ting DT, Haber DA. Pericentromeric satellite repeat expansions through RNA-derived DNA intermediates in cancer. *Proc Natl Acad Sci U S A.* 2015 Dec 8;112(49):15148-53. doi: 10.1073/pnas.1518008112. Epub 2015 Nov 2. PubMed PMID: 26575630; PubMed Central PMCID: PMC4679016. View Article Chen PB, Chen HV, Acharya D, Rando OJ, Fazio TG. R loops regulate promoter-proximal chromatin architecture and cellular differentiation. *Nat Struct Mol Biol.* 2015 Dec;22(12):999-1007. View Article Starokadomskyy P, Gemelli T, Rios JJ, Xing C, Wang RC, Li H, Pokatayev V, Dozmorov I, Khan S, Miyata N, Fraile G, Raj P, Xu Z, Xu Z, Ma L, Lin Z, Wang H, Yang Y, Ben-Amitai D, Orenstein N, Mussaffi H, Baselga E, Tadini G, Grunebaum E, Sarajlija A, Krzewski K, Wakeland EK, Yan N, de la Morena MT, Zinn AR, Burstein E. DNA polymerase- α regulates the activation of type I interferons through cytosolic RNA:DNA synthesis. *Nat Immunol.* 2016 May;17(5):495-504. doi: 10.1038/ni.3409. PubMed PMID: 27019227; PubMed Central PMCID: PMC4836962. View Article Krishnan S, Petchiappan A, Singh A, Bhatt A, Chatterji D. R-loop induced stress response by second (p)ppGpp synthetase in *Mycobacterium smegmatis*: functional and domain interdependence. *Mol Microbiol.* 2016 Oct;102(1):168-82. doi: 10.1111/mmi.13453. PubMed PMID: 27349932. View Article Wiedemann EM, Peycheva M, Pavri R. DNA Replication Origins in Immunoglobulin Switch Regions Regulate Class Switch Recombination in an R-Loop-Dependent Manner. *Cell Rep.* 2016 Dec 13;17(11):2927-2942. View Article Torrente-Rodríguez RM, Ruiz-Valdepeñas Montiel V, Campuzano S, Farchado-Dinia M, Barderas R, San Segundo-Acosta P, Montoya JJ, Pingarron JM. Fast Electrochemical miRNAs Determination in Cancer Cells and Tumor Tissues with Antibody-Functionalized Magnetic Microcarriers. *ACS Sensors.* 2016 Jun 10;1(7):896-903. View Article Abraham KJ, Chan JN, Salvi JS, Ho B, Hall A, Vidya E, Guo R, Killackey SA, Liu N, Lee JE, Brown GW, Mekhail K. Intersection of calorie restriction and magnesium in the suppression of genome-destabilizing RNA-DNA hybrids. *Nucleic Acids Res.* 2016 Aug 29. pii: gkw752. View Article Lima WF, Murray HM, Damle SS, Hart CE, Hung G, De Hoyos CL, Liang XH, Crooke ST. Viable RNaseH1 knockout mice show RNaseH1 is essential for R loop processing, mitochondrial and liver function. *Nucleic Acids Res.* 2016 Apr 29. View Article Starokadomskyy P, Gemelli T, Rios JJ, Xing C, Wang RC, Li H, Pokatayev V, Dozmorov I, Khan S, Miyata N, Fraile G, Raj P, Xu Z, Xu Z, Ma L, Lin Z, Wang H, Yang Y, Ben-Amitai D, Orenstein N, Mussaffi H, Baselga E, Tadini G, Grunebaum E, Sarajlija A, Krzewski K, Wakeland EK, Yan N, de la Morena MT, Zinn AR, Burstein E. DNA polymerase- α regulates the activation of type I interferons through cytosolic RNA:DNA synthesis. *Nat Immunol.* 2016 Mar 28. View Article Li L, Matsui M, Corey DR. Activating frataxin expression by repeat-targeted nucleic acids. *Nat Commun.* 2016 Feb 4;7:10606. doi: 10.1038/ncomms10606. View Article Zhang R, Wu J, Ferrandon S, Glowacki KJ, Houghton JA. Targeting GLI by GANT61 involves mechanisms dependent on inhibition of

both transcription and DNA licensing. *Oncotarget*. 2016 Dec 6;7(49):80190-80207. View ArticleMolès JP, Griez A, Guilhou JJ, Girard C, Nagot N, Van de Perre P, Dujols P. Cytosolic RNA:DNA Duplexes Generated by Endogenous Reverse Transcriptase Activity as Autonomous Inducers of Skin Inflammation in Psoriasis. *PLoS One*. 2017 Jan 17;12(1):e0169879. doi: 10.1371/journal.pone.0169879. PubMed PMID: 28095445; PubMed Central PMCID: PMC5240966. View ArticleJangi M, Fleet C, Cullen P, Gupta SV, Mekhoubad S, Chiao E, Allaire N, Bennett CF, Rigo F, Krainer AR, Hurt JA, Carulli JP, Staropoli JF. SMN deficiency in severe models of spinal muscular atrophy causes widespread intron retention and DNA damage. *Proc Natl Acad Sci U S A*. 2017 Mar 21;114(12):E2347-E2356. doi: 10.1073/pnas.1613181114. PubMed PMID: 28270613. View ArticleLim J, Giri PK, Kazadi D, Laffleur B, Zhang W, Grinstein V, Pefanis E, Brown LM, Ladewig E, Martin O, Chen Y, Rabadan R, Boyer F, Rothschild G, Cogné M, Pinaud E, Deng H, Basu U. Nuclear Proximity of Mtr4 to RNA Exosome Restricts DNA Mutational Asymmetry. *Cell*. 2017 Apr 20;169(3):523-537.e15. View ArticleChang EY, Novoa CA, Aristizabal MJ, Coulombe Y, Segovia R, Chaturvedi R, Shen Y, Keong C, Tam AS, Jones SJM, Masson JY, Kobor MS, Stirling PC. RECQ-like helicases Sgs1 and BLM regulate R-loop-associated genome instability. *J Cell Biol*. 2017 Dec 4;216(12):3991-4005. View ArticleSagie S, Toubiana S, Hartono SR, Katzir H, Tzur-Gilat A, Havazelet S, Francastel C, Velasco G, Chédin F, Selig S. Telomeres in ICF syndrome cells are vulnerable to DNA damage due to elevated DNA:RNA hybrids. *Nat Commun*. 2017 Jan 24;8:14015. doi: 10.1038/ncomms14015. PubMed PMID: 28117327; PubMed Central PMCID: PMC5286223. View ArticleSridhara SC, Carvalho S, Grosso AR, Gallego-Paez LM, Carmo-Fonseca M, de Almeida SF. Transcription Dynamics Prevent RNA-Mediated Genomic Instability through SRPK2-Dependent DDX23 Phosphorylation. *Cell Rep*. 2017 Jan 10;18(2):334-343. doi: 10.1016/j.celrep.2016.12.050. PubMed PMID: 28076779. View ArticleMin J, Wright WE, Shay JW. Alternative Lengthening of Telomeres Mediated by Mitotic DNA Synthesis Engages Break-Induced Replication Processes. *Mol Cell Biol*. 2017 Sep 26;37(20). pii: e00226-17. View ArticleJiang YF, Lin SS, Chen JM, Tsai HZ, Hsieh TS, Fu CY. Electron tomographic analysis reveals ultrastructural features of mitochondrial cristae architecture which reflect energetic state and aging. *Sci Rep*. 2017 Mar 30;7:45474. View ArticleChen L, Chen JY, Zhang X, Gu Y, Xiao R, Shao C, Tang P, Qian H, Luo D, Li H, Zhou Y, Zhang DE, Fu XD. R-ChIP Using Inactive RNase H Reveals Dynamic Coupling of R-loops with Transcriptional Pausing at Gene Promoters. *Mol Cell*. 2017 Nov 16;68(4):745-757.e5. View ArticleCarolina A Novoa, Emily Yun-Chia Chang, Maria J Aristizabal, Yan Coulombe, Romulo Segovia, Yaoqing Shen, Christelle Keong, Steven JM Jones, Jean-Yves Masson, Michael S Kobor, Peter C Stirling. Conserved roles of RECQ-like helicases Sgs1 and BLM in preventing R-loop induced genome instability. *bioRxiv*. doi: <https://doi.org/10.1101/119677>. View ArticleShafiq S, Chen C, Yang J, Cheng L, Ma F, Widemann E, Sun Q. DNA Topoisomerase 1 prevents R-loop accumulation to modulate auxin-regulated root development in rice. *Mol Plant*. 2017 Apr 12. pii: S1674-2052(17)30102-8. doi: 10.1016/j.molp.2017.04.001. [Epub ahead of print] PubMed PMID: 28412545. View ArticleEsanov R, Cabrera GT, Andrade NS, Gendron TF, Brown RH Jr, Benatar M, Wahlestedt C, Mueller C, Zeier Z. A C9ORF72 BAC mouse model recapitulates key epigenetic perturbations of ALS/FTD. *Mol Neurodegener*. 2017 Jun 12;12(1):46. doi: 10.1186/s13024-017-0185-9. PubMed PMID: 28606110. View ArticleBrönnner C, Salvi L, Zocco M, Ugolini I, Halic M. Accumulation of RNA on chromatin disrupts heterochromatic silencing. *Genome Res*. 2017 Jul;27(7):1174-1183. View ArticleBonnet A, Grosso AR, Elkaoutari A, Coleno E, Presle A, Sridhara SC, Janbon G, Géli V, de Almeida SF, Palancade B. Introns Protect Eukaryotic Genomes from Transcription-Associated Genetic Instability. *Mol Cell*. 2017 Aug 17;67(4):608-621.e6. View ArticleVelazquez Camacho O, Galan C, Swist-Rosowska K, Ching R, Gamalinda M, Karabiber F, De La Rosa-Velazquez I, Engist B, Koschorz B, Shukeir N, Onishi-Seebacher M, van de Nobelen S, Jenuwein T. Major satellite repeat RNA stabilize heterochromatin retention of Suv39h enzymes by RNA-nucleosome association and RNA:DNA hybrid formation. *Elife*. 2017 Aug 1;6. pii: e25293. View ArticleSu XA, Freudenreich CH. Cytosine deamination and base excision repair cause R-loop-induced CAG repeat fragility and instability in *Saccharomyces cerevisiae*. *Proc Natl Acad Sci U S A*. 2017 Sep 18. pii: 201711283. View ArticleLang KS, Hall AN, Merrikh CN, Ragheb M, Tabakh H, Pollock AJ, Woodward JJ, Dreifus JE, Merrikh H. Replication-Transcription Conflicts Generate R-Loops that Orchestrate Bacterial Stress Survival and Pathogenesis. *Cell*. 2017 Aug 10;170(4):787-799.e18. View ArticleWalker C, Herranz-Martin S, Karyka E, Liao C, Lewis K, Elsayed W, Lukashchuk V, Chiang SC, Ray S, Mulcahy PJ, Jurga M, Tsagakis I, Iannitti T, Chandran J, Coldicott I, De Vos KJ, Hassan MK, Higginbottom A, Shaw PJ, Hautbergue GM, Azzouz M, El-Khamisy SF. C9orf72 expansion disrupts ATM-mediated chromosomal break repair. *Nat Neurosci*. 2017 Sep;20(9):1225-1235. View ArticleJones SE, Fleuren EDG, Frankum J, Konde A, Williamson CT, Krastev DB, Pemberton HN, Campbell J, Gulati A, Elliott R, Menon M, Selfe JL, Brough R, Pettitt SJ, Niedzwiedz W, van der Graaf WTA, Shipley J, Ashworth A, Lord CJ. ATR is a therapeutic target in synovial sarcoma. *Cancer Res*. 2017 Oct 16. pii: canres.2056.2017. View ArticleDumelie JG, Jaffrey SR. Defining the location of promoter-associated R-loops at near-nucleotide resolution using bisDRIP-seq. *Elife*. 2017 Oct 26;6. pii:e28306. View ArticleQian Z, Zhurkin VB, Adhya S. DNA-RNA interactions are critical for chromosome condensation in *Escherichia coli*. *Proc Natl Acad Sci U S A*. 2017 Oct 30. pii: 201711285. View ArticleVargas E, Torrente-Rodríguez RM, Ruiz-Valdepeñas Montiel V, Povedano E, Pedrero M, Montoya JJ, Campuzano S, Pingarrón JM. Magnetic Beads-Based Sensor with Tailored Sensitivity for Rapid and Single-Step Amperometric Determination of miRNAs. *Int J Mol Sci*. 2017 Nov 9;18(11). pii: E2151. View ArticleWatanabe T, Marotta M, Suzuki R, Diede SJ, Tapscott SJ, Niida A, Chen X, Mouakkad L, Kondratova A, Giuliano AE, Orsulic S, Tanaka H. Impediment of Replication Forks by Long Non-coding RNA Provokes Chromosomal Rearrangements by Error-Prone Restart. *Cell Rep*. 2017 Nov 21;21(8):2223-2235. View ArticleChoi J, Hwang SY, Ahn K. Interplay between

RNASEH2 and MOV10 controls LINE-1 retrotransposition. *Nucleic Acids Res.* 2018 Jan 5. View ArticleKomseli ES, Pateras IS, Krejsgaard T, Stawiski K, Rizou SV, Polyzos A, Roumelioti FM, Chiourea M, Mourkioti I, Paparouna E, Zampetidis CP, Gumeni S, Trougakos IP, Pefani DE, O'Neill E, Gagos S, Eliopoulos AG, Fendler W, Chowdhury D, Bartek J, Gorgoulis VG. A prototypical non-malignant epithelial model to study genome dynamics and concurrently monitor micro-RNAs and proteins in situ during oncogene-induced senescence. *BMC Genomics.* 2018 Jan 10;19(1):37. View ArticleIijima K, Kobayashi J, Ishizaka Y. Structural alteration of DNA induced by viral protein R of HIV-1 triggers the DNA damage response. *Retrovirology.* 2018 Jan 16;15(1):8. View ArticleOkamoto Y, Iwasaki WM, Kugou K, Takahashi KK, Oda A, Sato K, Kobayashi W, Kawai H, Sakasai R, Takaori-Kondo A, Yamamoto T, Kanemaki MT, Taoka M, Isobe T, Kurumizaka H, Innan H, Ohta K, Ishiai M, Takata M. Replication stress induces accumulation of FANCD2 at central region of large fragile genes. *Nucleic Acids Res.* 2018 Jan 31. View ArticleLu WT, Hawley BR, Skalka GL, Baldock RA, Smith EM, Bader AS, Malewicz M, Watts FZ, Wilczynska A, Bushell M. Drosha drives the formation of DNA:RNA hybrids around DNA break sites to facilitate DNA repair. *Nat Commun.* 2018 Feb 7;9(1):532. View ArticleRaghunathan N, Kapshikar RM, Leela JK, Mallikarjun J, Bouloc P, Gowrishankar J. Genome-wide relationship between R-loop formation and antisense transcription in *Escherichia coli*. *Nucleic Acids Res.* 2018 Feb 21. View ArticleBrustel J, Kozik Z, Gromak N, Savic V, Sweet SMM. Large XPF-dependent deletions following misrepair of a DNA double strand break are prevented by the RNA:DNA helicase Senataxin. *Sci Rep.* 2018 Mar 1;8(1):3850. View ArticleChen L, Chen JY, Huang YJ, Gu Y, Qiu J, Qian H, Shao C, Zhang X, Hu J, Li H, He S, Zhou Y, Abdel-Wahab O, Zhang DE, Fu XD. The Augmented R-Loop Is a Unifying Mechanism for Myelodysplastic Syndromes Induced by High-Risk Splicing Factor Mutations. *Mol Cell.* 2018 Feb 1;69(3):412-425.e6. View ArticlePostberg J, Jönsson F, Weil PP, Bulic A, Juranek SA, Lipps HJ. 27nt-RNAs guide histone variant deposition via 'RNA-induced DNA replication interference' and thus transmit parental genome partitioning in *Stylonychia*. *Epigenetics Chromatin.* 2018 Jun 12;11(1):31. View ArticleAndrews AM, McCartney HJ, Errington TM, D'Andrea AD, Macara IG. A senataxin-associated exonuclease SAN1 is required for resistance to DNA interstrand cross-links. *Nat Commun.* 2018 Jul 3;9(1):2592. View ArticleKannan A, Bhatia K, Branzei D, Gangwani L. Combined deficiency of Senataxin and DNA-PKcs causes DNA damage accumulation and neurodegeneration in spinal muscular atrophy. *Nucleic Acids Res.* 2018 Jul 16. View ArticleChen Y, Li J, Cao F, Lam J, Cheng CCY, Yu CH, Huen MSY. Nucleolar residence of the seckel syndrome protein TRAIIP is coupled to ribosomal DNA transcription. *Nucleic Acids Res.* 2018 Aug 27. View ArticleMajerska J, Feretzaki M, Glousker G, Lingner J. Transformation-induced stress at telomeres is counteracted through changes in the telomeric proteome including SAMHD1. *Life Sci Alliance.* 2018 Jul 17;1(4):e201800121. View ArticleTeng Y, Yadav T, Duan M, Tan J, Xiang Y, Gao B, Xu J, Liang Z, Liu Y, Nakajima S, Shi Y, Levine AS, Zou L, Lan L. ROS-induced R loops trigger a transcription-coupled but BRCA1/2-independent homologous recombination pathway through CSB. *Nat Commun.* 2018 Oct 8;9(1):4115. View ArticleChakraborty P, Huang JTJ, Hiom K. DHX9 helicase promotes R-loop formation in cells with impaired RNA splicing. *Nat Commun.* 2018 Oct 19;9(1):4346. View ArticleAbu Diab M, Mor-Shaked H, Cohen E, Cohen-Hadad Y, Ram O, Epsztejn-Litman S, Eiges R. The G-rich Repeats in FMR1 and C9orf72 Loci Are Hotspots for Local Unpairing of DNA. *Genetics.* 2018 Nov 5. pii: genetics.301672.2018. View ArticleOstrowski LA, Hall AC, Szafranski KJ, Oshidari R, Abraham KJ, Chan JNY, Krustev C, Zhang K, Wang A, Liu Y, Guo R, Mekhail K. Conserved Pbp1/Ataxin-2 regulates retrotransposon activity and connects polyglutamine expansion-driven protein aggregation to lifespan-controlling rDNA repeats. *Commun Biol.* 2018 Nov 5;1:187. View ArticleLandsverk HB, Sandquist LE, Sridhara SC, Rødland GE, Sabino JC, de Almeida SF, Grallert B, Trinkle-Mulcahy L, Syljuåsen RG. Regulation of ATR activity via the RNA polymerase II associated factors CDC73 and PNUTS-PP1. *Nucleic Acids Res.* 2018 Dec 12. View ArticleBhatia V, Valdés-Sánchez L, Rodríguez-Martínez D, Bhattacharya SS. Formation of 53BP1 foci and ATM activation under oxidative stress is facilitated by RNA:DNA hybrids and loss of ATM-53BP1 expression promotes photoreceptor cell survival in mice. *F1000Res.* 2018 Aug 10;7:1233. View ArticleBriggs E, Crouch K, Lemgruber L, Lapsley C, McCulloch R. Ribonuclease H1-targeted R-loops in surface antigen gene expression sites can direct trypanosome immune evasion. *PLoS Genet.* 2018 Dec 13. View ArticleOkamoto Y, Abe M, Itaya A, Tomida J, Ishiai M, Takaori-Kondo A, Taoka M, Isobe T, Takata M. FANCD2 protects genome stability by recruiting RNA processing enzymes to resolve R-loops during mild replication stress. *FEBS J.* 2018 Nov 15. View ArticleKuznetsov VA, Bondarenko V, Wongsurawat T, Yenamandra SP, Jenjaroenpun P. Toward predictive R-loop computational biology: genome-scale prediction of R-loops reveals their association with complex promoter structures, G-quadruplexes and transcriptionally active enhancers. *Nucleic Acids Res.* 2018 Sep 6;46(15):8023. View ArticleTeloni F, Michelena J, Lezaja A, Kilic S, Ambrosi C, Menon S, Dobrovolna J, Imhof R, Janscak P, Baubec T, Altmeyer M. Efficient Pre-mRNA Cleavage Prevents Replication-Stress-Associated Genome Instability. *Mol Cell.* 2018 Dec 24. View ArticleLiang Z, Liang F, Teng Y, Chen X, Liu J, Longerich S, Rao T, Green AM, Collins NB, Xiong Y, Lan L, Sung P, Kupfer GM. Binding of FANCI-FANCD2 Complex to RNA and R-Loops Stimulates Robust FANCD2 Monoubiquitination. *Cell Rep.* 2019 Jan 15. View ArticleMarabitti V, Lillo G, Malacaria E, Palermo V, Sanchez M, Pichierra P, Franchitto A. ATM pathway activation limits R-loop-associated genomic instability in Werner syndrome cells. *Nucleic Acids Res.* 2019 Apr 23;47(7):3485-3502. View ArticleBurger K, Schlackow M, Gullerova M. Tyrosine kinase c-Abl couples RNA polymerase II transcription to DNA double-strand breaks. *Nucleic Acids Res.* 2019 Jan 22. View ArticleMilbury KL, Paul B, Lari A, Fowler C, Montpetit B, Stirling PC. Exonuclease domain mutants of yeast DIS3 display genome instability. *Nucleus.* 2019 Dec;10(1):21-32. View ArticleAlfano L, Caporaso A, Altieri A, Dell'Aquila M, Landi C, Bini L, Pentimalli F, Giordano A. Depletion of the RNA

binding protein HNRNPD impairs homologous recombination by inhibiting DNA-end resection and inducing R-loop accumulation. *Nucleic Acids Res.* 2019 Feb 25. pii: gkz076. View Article

Martinez-Macias MI, Moore DA, Green RL, Gomez-Herreros F, Naumann M, Hermann A, Van Damme P, Hafezparast M, Caldecott KW. FUS (fused in sarcoma) is a component of the cellular response to topoisomerase I-induced DNA breakage and transcriptional stress. *Life Sci Alliance.* 2019 Feb 26;2(2). pii: e201800222. View Article

Baiersdörfer M, Boros G, Muramatsu H, Mahiny A, Vlatkovic I, Sahin U, Karikó K. A Facile Method for the Removal of dsRNA Contaminant from In Vitro-Transcribed mRNA. *Mol Ther Nucleic Acids.* 2019 Apr 15;15:26-35. View Article

De Cecco M, Ito T, Petrashen AP, Elias AE, Skvir NJ, Criscione SW, Caligiana A, Broccoli G, Adney EM, Boeke JD, Le O, Beauséjour C, Ambati J, Ambati K, Simon M, Seluanov A, Gorbunova V, Slagboom PE, Helfand SL, Neretti N, Sedivy JM. L1 drives IFN in senescent cells and promotes age-associated inflammation. *Nature.* 2019 Feb;566(7742):73-78. View Article

Pezone A, Zuchegna C, Tramontano A, Romano A, Russo G, de Rosa M, Vinciguerra M, Porcellini A, Gottesman ME, Avvedimento EV. RNA Stabilizes Transcription-Dependent Chromatin Loops Induced By Nuclear Hormones. *Sci Rep.* 2019 Mar 8;9(1):3925. View Article

Pérez Di Giorgio JA, Lepage É, Tremblay-Belzile S, Truche S, Loubert-Hudon A, Brisson N. Transcription is a major driving force for plastid genome instability in Arabidopsis. *PLoS One.* 2019 Apr 3;14(4):e0214552. View Article

Herold S, Kalb J, Büchel G, Ade CP, Baluapuri A, Xu J, Koster J, Solvie D, Carstensen A, Klotz C, Rodewald S, Schüle-Völck C, Döbelstein M, Wolf E, Molenaar J, Versteeg R, Walz S, Eilers M. Recruitment of BRCA1 limits MYCN-driven accumulation of stalled RNA polymerase. *Nature.* 2019 Mar;567(7749):545-549. View Article

Sanz LA, Chédin F. High-resolution, strand-specific R-loop mapping via S9.6-based DNA-RNA immunoprecipitation and high-throughput sequencing. *Nat Protoc.* 2019 Jun;14(6):1734-1755. View Article

Graf M, Bonetti D, Lockhart A, Serhal K, Kellner V, Maicher A, Jolivet P, Teixeira MT, Luke B. Telomere Length Determines TERRA and R-Loop Regulation through the Cell Cycle. *Cell.* 2017 Jun 29;170(1):72-85.e14. View Article

Zhu Q, Hoong N, Aslanian A, Hara T, Benner C, Heinz S, Miga KH, Ke E, Verma S, Soroczynski J, Yates JR 3rd, Hunter T, Verma IM. Heterochromatin-Encoded Satellite RNAs Induce Breast Cancer. *Mol Cell.* 2018 Jun 7;70(5):842-853.e7. View Article

Yang Z, Hou Q, Cheng L, Xu W, Hong Y, Li S, Sun Q. RNase H1 Cooperates with DNA Gyrase to Restrict R-Loops and Maintain Genome Integrity in Arabidopsis Chloroplasts. *Plant Cell.* 2017 Oct;29(10):2478-2497. View Article

Gorthi A, Romero JC, Loranc E, Cao L, Lawrence LA, Goodale E, Iniguez AB, Bernard X, Masamsetti VP, Roston S, Lawlor ER, Toretsky JA, Stegmaier K, Lessnick SL, Chen Y, Bishop AJR. EWS-FLI1 increases transcription to cause R-loops and block BRCA1 repair in Ewing sarcoma. *Nature.* 2018 Mar 15;555(7696):387-391. View Article

主要内容

该小鼠单克隆抗体抗 ϕ 174噬菌体衍生的合成DNA-RNA抗原产生，并识别各种长度的RNA-DNA杂交物。高灯：在检测R-Loopshigh特异性和对DNA-RNA杂交物的亲和力不交叉反应的情况下有用已经观察到单链DNA或双链DNA或双链DNA的交叉反应（~5倍），用于富含Au的双链RNA.high亲和力结合，用于LightRecomant的8,10,15和23个碱基对的杂交种来自我们姐妹公司的版本，绝对抗体：使用来自杂交瘤S9.6DNA-RNA杂种的可变区（即特异性）的绝对抗体的重组平台制造是真核细胞内的自然发生，这些杂种在位点增加高转录活性，例如在转录起始，抑制和伸长期间。因为RNA-DNA杂交种影响基因组不稳定性，所以S9.6抗体是有用的试剂，以帮助研究在DNA复制或其他细胞过程中通过这些杂交种形成的R圈和病变的后果。此外，S9.6抗体可有效识别微阵列研究的RNA-DNA杂交。通过斯蒂芬H.Leppla，博士学位，国家过敏和传染病研究所的实验室。

厂牌介绍

关于Kerafast Inc.

Kerafast 是一家位于波士顿的试剂公司，其主要使命是为QuanQiu科学界提供易于使用的独特实验室研究工具。我们的产品组合包括细胞系、抗体、小分子、染料等，其中许多在其他地方无法获得。自2011年成立以来，来自[全球 190 多个机构](#)的研究人员通过我们的在线平台提供了他们的创新试剂，无需通过传统的材料转让协议流程即可快速获取材料。

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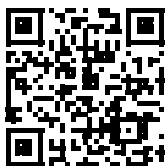
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2022-04-01

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2024-05-19

[NR-47932金黄色葡萄球菌亚种.金黄色葡萄球菌,USA300JE2,转座子突变体SAUSA300_0709\(NE1390\)\(突变细菌\)](#)

2022-04-01

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