抗DNA-RNA杂交[S9.6]抗体,100ug

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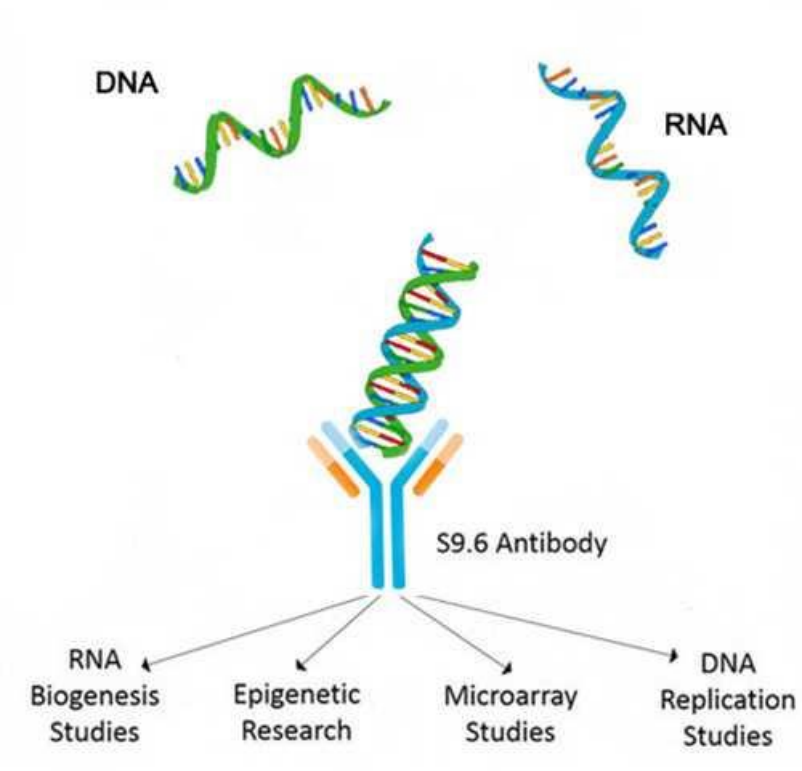

产品英文名称
Anti-DNA-RNA Hybrid [S9.6] Antibody, 100ug
产品别名
Kerafast独特的生物试剂
货号/SKU
ENH001
货号/规格
100ug
库存与交货期
1-2周
人民币价格
10585
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产品基础信息
From the laboratory of Stephen H. Leppla, PhD, National Institute of Allergy and Infectious Diseases/NIH.
产品描述信息

Product Type:	Antibody

Name:	Anti-DNA-RNA Hybrid [S9.6]
Antigen:	S9.6 ΦX174 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:	ΦX174 bacteriophage-derived synthetic DNA/RNA
Purification Method:	Protein A/G
Buffer:	**ENHOO1:** PBS, 0.05% (w/v) Sodium Azide **Ab01137- :** PBS with 0.02% Proclin 300
Tested Applications:	**Dot Blot Analysis:** 0.2 µg/mL. **Affinity Binding Assay:** Clone S9.6 bound the DNA-RNA heteropolymer and poly(I)-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 doouble-stranded DNA (dsDNA) (Ginno, P.A., et al. (2012). Mol. Cell. 45(6):814-825). **See also:** S9.6 Publications by Application

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.Székvölgyi L, Rákosy 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

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主要内容

该小鼠单克隆抗体抗φ174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。

我们处理提供实验室的所有销售和运输物流，并从每次销售中返还丰厚的特许权使用费。因此，我们帮助提供实验室节省时间和资源，同时为进一步研究提供额外资金。采购科学家可以更轻松地发现和获取其他地方通常无法获得的独特试剂，同时还可以资助其他研究人员的工作。这创建了一个QuanQiu科学家社区，他们贡献和获取*Reagent for the Greater Good*，以加速他们自己的研究以及整体科学进步。

2018 年，Kerafast 与Absolute Antibody合并，后者是一家总部位于英国的公司，其愿景是为所有研究人员提供重组抗体技术。此次合并将两家公司聚集在一起，共同致力于改善科学界可用的研究工具的选择。

品牌标识

产品关键词

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美国kerafast公司
kerafast公司
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NR-18256结核分枝杆菌,CDC1551TransposonMutant1869(MT2120,Rv2061c)(突变细菌）
2022-04-01
NR-10450来自炭疽杆菌的基因组DNA,菌株Ames35(核酸）
2022-04-01
NR-47447金黄色葡萄球菌亚种.金黄色葡萄球菌,USA300JE2,转座子突变体SAUSA300_0290(NE904)(突变体细菌）
2022-04-01
NR-15499牛痘病毒,WesternReserve,重组表达淋巴细胞脉络丛脑膜炎病毒,Armstrong53b核蛋白(病毒）
2022-04-01
NR-33293大肠杆菌,菌株43(105a)(细菌）
2022-04-01
NR-13478结核分枝杆菌、CDC1551、转座子突变体31(MT0606、Rv0577)(突变细菌）
2022-04-01
NR-47414金黄色葡萄球菌亚种.金黄色葡萄球菌,USA300JE2,转座子突变体SAUSA300_2636(NE871)(突变体细菌）
2022-04-01
NR-52229鲍曼不动杆菌,MRSN32104(细菌）
2022-04-01

综述与专论: 核酸适配体在肾癌中的应用
2023-09-21
PIL家族转录因子抑制植物分蘖机制获解析
2020-08-04
PBST（1×，PH7.4）（BZ218）200ml
2021-12-13
植物冬季氮吸收能力及利用策略研究取得新进展
2020-08-04
抗肺炎球菌血清型35B单克隆抗体[克隆3F9]22/308
2024-05-19
NR-51531铜绿假单胞菌,MRSN1899(细菌）
2022-04-01
精选好货》DC184硅橡胶PDMS184光学胶灌封胶PDMS聚二
2021-12-02
人工模拟合成外分泌汗液汗水-皮脂乳液（BZ118）500ml
2021-12-13
NR-36061来自雄性和雌性钉螺亚种的基因组DNA.formosana,ChiaYiIsolate(NucleicAcids)
2022-04-01
NR-15020结核分枝杆菌、CDC1551、转座子突变体1173(MT2316、Rv*)(突变细菌）
2022-04-01
MRA-564_恶性疟原虫,菌株D10pfmdr1SNY[D10pfmdr1S-1034N-1042Y-1246,D10-mdr1(7G8/1)](寄生原生动物）
2022-04-01
NR-28543_副溶血性弧菌,F11-3A(血清型O4:K12)(细菌）
2022-04-01