

产品名称: Anti-DNA-RNA Hybrid [S9.6] Antibody

产品货号: AMM90005

产品概述 (Summary)

产品名称 (Production Name)	Anti-DNA-RNA Hybrid [S9.6] Antibody
描述 (Description)	Mouse Monoclonal antibody
宿主 (Host)	Mouse
应用 (Application)	ELISA, IP, IF, CHIP, Dot Blot
种属反应性 (Reactivity)	All species expected
特异性 (Specificity/Sensitivity)	DNA-RNA Hybrids detected

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG2a
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C, valid for 12 months. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Phosphate-buffered solution (pH 7.2), containing 0.1% sodium azide and 50% glycerol

免疫原信息 (Immunogen)

ΦX174 bacteriophage-derived synthetic DNA/RNA

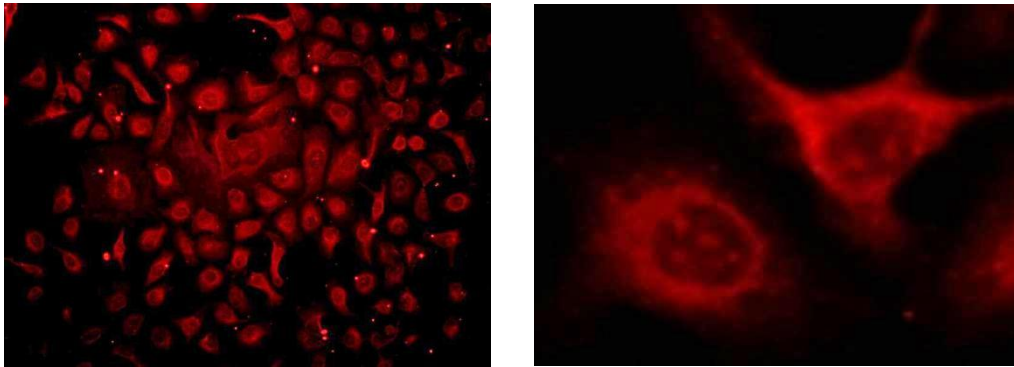
产品应用 (Application)

稀释比 (Dilution Ratio)	For IP Analysis, 3μg/sample; For IF Analysis, 1:100-200
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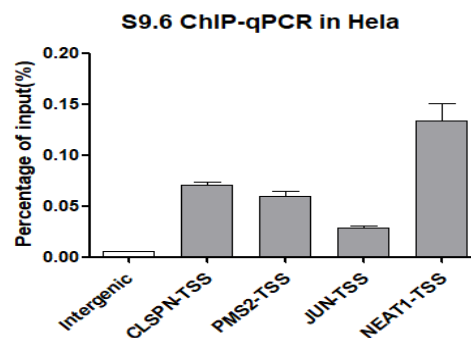
图片 (Image Data)

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Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DNA-RNA hybrid Mouse Monoclonal Antibody [S9.6] at dilution of 1:500 and Alexa Fluor 647- conjugated AffiniPure Goat Anti-Mouse IgG(H+L)



Chromatin immunoprecipitation analysis of HeLa cells genomic DNA(gDNA) using DNA-RNA hybrid Mouse Monoclonal Antibody [S9.6] at dilution of 1:200

研究背景 (Background)

The DNA-RNA hybrids are a natural occurrence within eukaryotic cells and their level are high at sites of high transcriptional activity. They are non-canonical nucleic acid structures with transcriptional regulatory functions. Their presence is reported to predispose a locus to chromosomal breakage. The S9.6 monoclonal antibody recognizes DNA-RNA hybrids (also known as R-loops) and does not bind to single or double stranded DNA. The antibody has high affinity for DNA-RNA hybrids but also binds RNA-RNA hybrids that are AU-rich. The specificity of the antibody appears to be determined by a combination of sequence and structural dependency since R-loop sequence affects binding affinity.

注意事项 (Note)

For research use only .