Mouse anti-All DNA-RNA Hybrid Monoclonal Antibody | anti-DNA-RNA antibody

DNA-RNA Hybrid Monoclonal Antibody [S9.6]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA179818	**Mouse**	**All**	**Chromatin Immunoprecipitation, Immunoprecipitation, Immunofluorescence**

PRODUCT SYNONYMS

DNA-RNA Hybrid; Monoclonal Antibody; DNA-RNA Hybrid Monoclonal Antibody [S9.6]; DNA-RNA hybrid; RNA/DNA hybrid; anti-DNA-RNA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	All
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	S9.6
Purity/Purification	Protein A/G Purification
Form/Format	PBS with 0.02% sodium azide,1% protective protein and 50% glycerol,pH7.4
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-DNA-RNA antibody	ChIP (Chromatin immunoprecipitation), IF (Immunofluorescence)
Immunogen	phiX174 bacteriophage-derived synthetic DNA/RNA
Preparation and Storage	Store at -20 degree C Valid for 12 months. Avoid freeze/thaw cycles.

IMAGES

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

IF (Immunofluorescence)
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using anti-DNA-RNA hybrid Mouse Monoclonal Antibody [S9.6] at dilution of 1:500.

IF (Immunofluorescence)
Immunofluorescentanalysis of (4% PFA) fixed HeLa cells using DNA-RNA hybrid mouse monoclonal antibody [S9.6] at dilution of 1:500.

ADDITIONAL INFORMATION

Related Product Information for anti-DNA-RNA antibody	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.
Product Categories/Family for anti-DNA-RNA antibody	Primary Antibodies; Monoclonal Antibodies

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/dna-rna-hybrid-antibody-clone-s9-6-chromatin-immunoprecipitation-immunofluorescence-elisa/179818