

Mouse Histone H3S28ph Monoclonal Antibody | anti-H3S28ph antibody

Histone H3S28ph antibody (mAb)(Clone 5F9A9)

CATALOG # AAA60075	HOST Mouse	REACTIVITY Human, Wide Range Predicted	APPLICATIONS Western Blot, Immunofluorescence, Immunocytochemistry
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PRODUCT SYNONYMS

Histone H3S28ph; Monoclonal Antibody; Histone H3S28ph antibody (mAb)(Clone 5F9A9); anti-H3S28ph antibody

PRODUCT SPECIFICATIONS

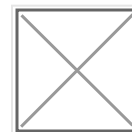
Host	Mouse
Reactivity	Human, Wide Range Predicted
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	5F9A9
Purity/Purification	Protein A Chromatography
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-H3S28ph antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry)
Conjugation	Phosphorylated
Immunogen	This antibody was raised against a peptide corresponding to phospho-serine 28 of human Histone H3.
Abs Residue	Ser
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)

Histone H3S28ph antibody (mAb) (Clone 5F9A9) tested by Western blot. Detection of Histone H3S28ph antibody by Western blot. The analysis was performed using 20 ug of untreated (lane 1) or colcemid treated (lane 2) HeLa nuclear extract with Histone H3S28ph antibody at a 1 ug/ml dilution.



IF (Immunofluorescence)

Histone H3S28ph antibody (mAb) (Clone 5F9A9) tested by Immunofluorescence. Left: Formaldehyde fixed mitotic DM4 cell stained with Histone H3S28ph antibody (mAb). Right: Hoechst stain.

ADDITIONAL INFORMATION

Related Product Information for anti-H3S28ph antibody	<p>Short Description: Our Histone H3S28ph antibody (mAb)(Clone 5F9A9) was raised in a Mouse host. It has been validated for use in Immunocytochemistry, Immunofluorescence and Western blot; it has been shown to react with Human samples, but it is predicted that it will react with a wide range of sample types.</p> <p>Background: Histone H3 is one of the core components of the nucleosome. The nucleosome is the smallest subunit of chromatin and consists of 147 base pairs of DNA wrapped around an octamer of core histone proteins (two each of Histone H2A, Histone H2B, Histone H3 and Histone H4). Chromatin is subject to a variety of chemical modifications, including post-translational modifications of the histone proteins and the methylation of cytosine residues in the DNA. Reported histone modifications include acetylation, methylation, phosphorylation, ubiquitylation, glycosylation, ADP-ribosylation, carbonylation and SUMOylation; these modifications play a major role in regulating gene expression. Ser10 phosphorylation and Ser28 phosphorylation in the tail of H3 have very similar kinetics. Both phosphorylations occur early in mitosis when chromosomes begin to condense and during premature chromosome condensation induced in S-phase cells. These phosphorylated serines are excellent mitotic markers. In contrast to Ser10 phosphorylation, Ser28 phosphorylation has never been observed in interphase.</p>
Product Categories/Family for anti-H3S28ph antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

Molecular Weight	17kDa
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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/histone-h3s28ph-antibody-clone-5f9a9-western-blot-immunofluorescence-immunocytochemistry-elisa/60075>