

Rabbit Histone H3.1 Polyclonal Antibody | anti-HIST1H3A antibody

Histone H3.1 (Phospho-Ser10) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303320	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Histone H3.1; Polyclonal Antibody; Histone H3.1 (Phospho-Ser10) Antibody; H3/b; H3FB; anti-HIST1H3A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of Histone H3.1 onlywhen phosphorylated at serine 10.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography usi
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	136
Applicable Applications for anti-HIST1H3A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 10 (R-K-S(p)-T-G) derived from Human Histone H3.1.
Modification	Phospho-Ser10
Target Name	Histone H3.1
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed Hela cells using Histone H3.1 (Phospho-Ser10) Antibody.



WB (Western Blot)

Western blot analysis of extracts from SK-BR-3 cells, treated with insulin and EGF, and pretreated with U0126 and LY294002 cells using Histone H3.1 (Phospho-Ser10) Antibody.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Histone H3.1(Phospho-Ser10) Antibody (left) or the same antibody preincubated with blocking peptide(right).

**IF (Immunofluorescence)**

Immunofluorescence staining of methanol-fixed Hela cells using Histone H3.1 (Phospho-Ser10) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HIST1H3A antibody	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.
Product Categories/Family for anti-HIST1H3A antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504281
NCBI GeneID	8350
NCBI Accession #	NP_003520.1
NCBI GenBank Nucleotide #	NM_003529.2
UniProt Accession #	P68431 ; P02295 ; P02296 ; P16106 ; Q6ISV8 ; Q6NWP8 ; Q6NWP9 ; Q6NXU4 ; Q71DJ3 ; Q93081 ; A0PJT7 ; A5PLR1
Molecular Weight	15,404 Da
NCBI Official Full Name	histone H3.1
NCBI Official Synonym Full Names	histone cluster 1, H3a
NCBI Official Symbol	HIST1H3A
NCBI Official Synonym Symbols	H3/A; H3FA
NCBI Protein Information	histone H3.1
UniProt Protein Name	Histone H3.1
UniProt Gene Name	HIST1H3A
UniProt Synonym Gene Names	H3FA
UniProt Entry Name	H31_HUMAN

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/polyclonal/histone-h31-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/303320>