

Histone H3.1 Antibody | anti-HIST1H3A antibody

Histone H3.1 (Phospho-Ser28) Antibody

CATALOG # AAA110896	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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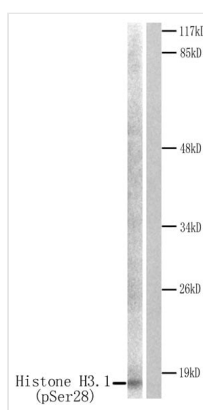
PRODUCT SYNONYMS

Histone H3.1; Histone H3.1 (Phospho-Ser28) Antibody; anti-HIST1H3A antibody

PRODUCT SPECIFICATIONS

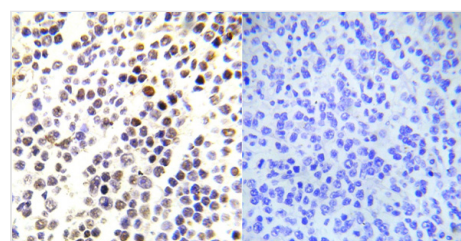
Reactivity	Human, Mouse, Rat
Specificity	Histone H3.1 (phospho-Ser28) antibody detects endogenous levels of Histone H3.1 only when phosphorylated at serine 28.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	136
Applicable Applications for anti-HIST1H3A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Histone H3.1 around the phosphorylation site of serine 28(R-K-SP-A-P).
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HuvEc cells treated with Serum. Left: Using Histone H3.1 (phospho-Ser28) antibody. Right: Using the same antibody preincubated with synthesized peptide.



IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human malignant lymphoma tissue using Histone H3.1 (phospho-Ser28) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-HIST1H3A antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Bonenfant D, et al. (2007) Mol Cell Proteomics 6, 1917-32 Dai J, Sultan S, Taylor SS, Higgins JM (2005) Genes Dev 19, 472-88 Strahl, B.D. and Allis, C.D. (2000) Nature 403, 41-45. Cheung, P. et al. (2000) Cell 103, 263-271. Hendzel, M.J. et al. (1997) Chromosoma 106, 348-360.

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 H3 family member a
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

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.