

Rabbit anti-Human Phospho-HIST1H3B3 (S10) Polyclonal Antibody | anti-HIST1H3A antibody

Phospho-HIST1H3B3 (S10) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28670	Rabbit	Human	Dot Blot, ELISA, Immunohistochemistry, Western Blot

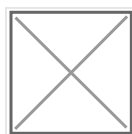
PRODUCT SYNONYMS

Phospho-HIST1H3B3 (S10); Polyclonal Antibody; Phospho-HIST1H3B3 (S10) Antibody; Histone H31; Histone H3/a; Histone H3/b; Histone H3/c; Histone H3/d; Histone H3/f; Histone H3/h; Histone H3/i; Histone H3/j; Histone H3/k; Histone H3/l; HIST1H3A; H3FA; anti-HIST1H3A antibody

PRODUCT SPECIFICATIONS

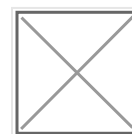
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HIST1H3B3 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S10 of human HIST1H3B3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	136
Applicable Applications for anti-HIST1H3A antibody	DB (Dot Blot), ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	WB~1:10000
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



DB (Dot Blot)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



DB (Dot Blot)

Dot blot analysis of anti-Phospho-HIST1H3B3-S10 Phospho-specific Pab on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

**WB (Western Blot)**

Western blot analysis of extracts from HeLa cells, untreated or treated with FBS and Calyculin A, 100nM, using phospho-H3-Ps10(left) or H3 antibody(right)

**WB (Western Blot)**

Western blot analysis of extracts from HeLa cells, untreated or treated with FBS and Calyculin A, 100nM, using phospho-HIST1H3B3-S10(left) or HIST1H3B3 antibody(right)

**WB (Western Blot)**

Western blot analysis of lysate from HeLa cell line, using Phospho-H3-pS10 Antibody. AAA28670 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

**WB (Western Blot)**

Western blot analysis of lysates from HeLa cell line, untreated or treated with FBS+calyculin A, 100ng/ml, using Phospho-H3-Ps10 Antibody, (upper) or Beta-actin (lower).

ADDITIONAL INFORMATION

Related Product Information for anti-HIST1H3A antibody	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.
Product Categories/Family for anti-HIST1H3A antibody	Crown Antibodies ; Tag Antibodies
References	Lusic, M., et al., EMBO J. 22(24):6550-6561 (2003). Deng, L., et al., Virology 289(2):312-326 (2001). Deng, L., et al., Virology 277(2):278-295 (2000). El Kharroubi, A., et al., Mol. Cell. Biol. 18(5):2535-2544 (1998). Albig, W., et al., Hum. Genet. 101(3):284-294 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504281
NCBI GeneID	8350
NCBI Accession #	NP_003520.1 ; NP_003521.2 ; NP_003522.1 ; NP_003523.1 ; NP_003524.1 ; NP_003525.1 ; NP_003526.1 ; NP_003527.1 ; NP_003528.1 ; NP_066298.1
NCBI GenBank Nucleotide #	NM_003529.2
UniProt Accession #	P68431 ; P02295 ; P02296 ; P16106 ; Q6ISV8 ; Q6NWP8 ; Q6NWP9 ; Q6NXU4 ; Q71DJ3 ; Q93081 ; A0PJT7 ; A5PLR1
Molecular Weight	15404
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/phospho-hist1h3b3-s10-antibody-dot-blot-immunohistochemistry-western-blot-elisa/28670>