

Rabbit Histone H1.1 Polyclonal Antibody | anti-HIST1H1A antibody

Histone H1.1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329202	Rabbit	Human Predicted Reactivity: Horse(83%)	ELISA

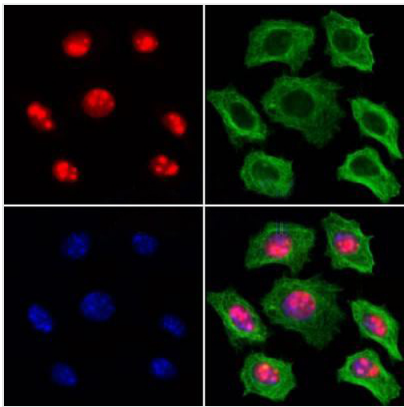
PRODUCT SYNONYMS

Histone H1.1; Polyclonal Antibody; Histone H1.1 Antibody; H1 histone family member 1; H1.1; H1F1; HIST1; HIST1H1A; Histone 1 H1a; Histone cluster 1 H1a; anti-HIST1H1A antibody

PRODUCT SPECIFICATIONS

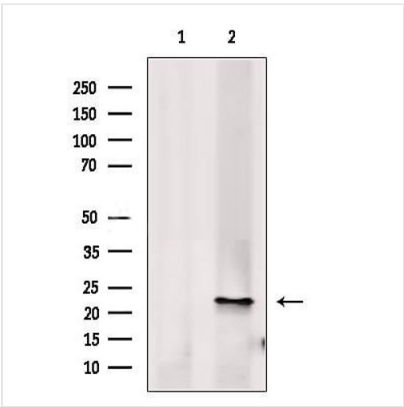
Host	Rabbit
Reactivity	Human Predicted Reactivity: Horse(83%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Histone H1.1 Antibody detects endogenous levels of total Histone H1.1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	215
Applicable Applications for anti-HIST1H1A antibody	ELISA
Immunogen	A synthesized peptide derived from human Histone H1.1, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA329202 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA329202 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from Huvec, using Histone H1.1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HIST1H1A antibody	Function: Histone H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber. Histones H1 are necessary for the condensation of nucleosome chains into higher-order structured fibers. Acts also as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (By similarity).
	Post Translational Modifications: H1 histones are progressively phosphorylated during the cell cycle, becoming maximally phosphorylated during late G2 phase and M phase, and being dephosphorylated sharply thereafter. Citrullination at Arg-57 (H1R54ci) by PADI4 takes place within the DNA-binding site of H1 and results in its displacement from chromatin and global chromatin decondensation, thereby promoting pluripotency and stem cell maintenance.
	Subcellular Location: Nucleus. Chromosome. Note: Mainly localizes in euchromatin.
	Subunit Structure: Interacts with DFFB.
	Similarity: The C-terminal domain is required for high-affinity binding to chromatin. Belongs to the histone H1/H5 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885373
NCBI GeneID	3024
NCBI Accession #	NP_005316.1
NCBI GenBank Nucleotide #	NP_005316.1
UniProt Accession #	Q02539
Molecular Weight	Observed Molecular Weight: (Observed)21kD. Predicted Molecular Weight: (Calculated)22kDa.
NCBI Official Full Name	histone H1.1
NCBI Official Synonym Full Names	H1.1 linker histone, cluster member
NCBI Official Symbol	H1-1

NCBI Official Synonym Symbols	H1A; H1.1; H1F1; HIST1; HIST1H1A
NCBI Protein Information	histone H1.1
UniProt Protein Name	Histone H1.1
UniProt Gene Name	HIST1H1A
UniProt Synonym Gene Names	H1F1
UniProt Entry Name	H11_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/histone-h11-antibody-elisa/329202>