Rabbit anti-Human, Mouse Histone H1.2 Polyclonal Antibody | anti-HIST1H1C antibody

Histone H1.2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323103	**Rabbit**	**Human, Mouse**	**Immunohistochemistry, Western Blot**

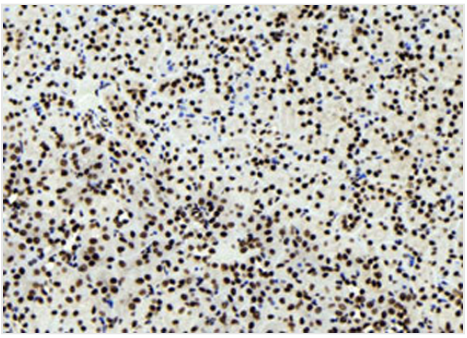
PRODUCT SYNONYMS

Histone H1.2; Polyclonal Antibody; Histone H1.2 Antibody; H1 histone family member 2; H1.a; H12_HUMAN; H1F2; H1s-1; HIST1H1C; Histone 1 H1c; Histone cluster 1 H1c; Histone H1c; Histone H1d; Histone H1s-1; MGC3992; anti-HIST1H1C antibody

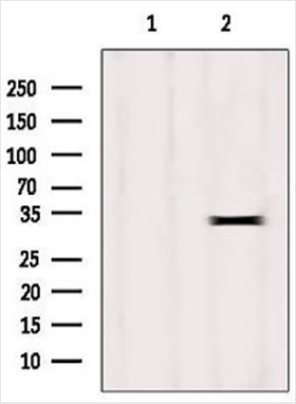
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Histone H1.2 antibody detects endogenous levels of Histone H1.2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	213
Applicable Applications for anti-HIST1H1C antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Histone H1.2, corresponding to a region within N-terminal amino acids.
Similarity	The C-terminal domain is required for high-affinity binding to chromatin. Belongs to the histone H1/H5 family.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

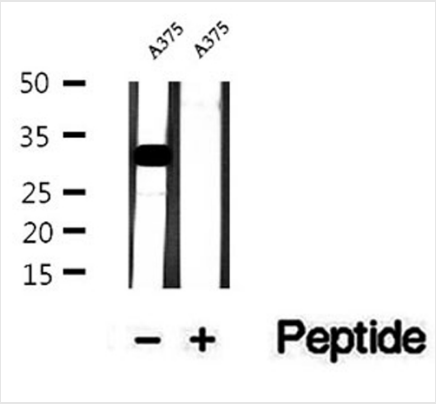
IMAGES



IHC (Immunohistochemisry)
AAA323103 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from HepG2, using Histone H1.2 Ab.Lane 1 was treated with the blocking peptide.



WB (Western Blot)
Western blot analysis of extracts of A375 cells, using Histone H1.2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HIST1H1C 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. Crotonylation (Kcr) is specifically present in male germ cells and marks testis-specific genes in post-meiotic cells, including X-linked genes that escape sex chromosome inactivation in haploid cells. Crotonylation marks active promoters and enhancers and confers resistance to transcriptional repressors. It is also associated with post-meiotically activated genes on autosomes. Citrullination at Arg-54 (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. ADP-ribosylated on Ser-188 in response to DNA damage. 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 #	4885375
NCBI GeneID	3006
NCBI Accession #	NP_005310.1
NCBI GenBank Nucleotide #	NM_005319.3
UniProt Accession #	P16403; A8K4I2
Molecular Weight	32-33 kDa
NCBI Official Full Name	histone H1.2
NCBI Official Synonym Full Names	histone cluster 1 H1 family member c
NCBI Official Symbol	HIST1H1C
NCBI Official Synonym Symbols	H1C; H1.2; H1F2; H1s-1
NCBI Protein Information	histone H1.2
UniProt Protein Name	Histone H1.2
UniProt Gene Name	**HIST1H1C**
UniProt Synonym Gene Names	H1F2

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://www.aaabiotech.com/polyclonal/histone-h12-antibody-immunohistochemistry-western-blot-elisa/323103