

Rabbit anti-Human Histone H1.0 Polyclonal Antibody | anti-H1F0 antibody

Histone H1.0 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320990	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Histone H1.0; Polyclonal Antibody; Histone H1.0 Antibody; H1 histone family member 0; H1(0); H10; H10_HUMAN; h1f0; H1FV; Histone H1"; Histone H1(0); Histone H10; Histone H5; MGC5241; N-terminally processed; anti-H1F0 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Histone H1.0 antibody detects endogenous levels of total Histone H1.0
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	194
Applicable Applications for anti-H1F0 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Histone H1.0
Subcellular Location	Cytoplasm. Nucleus. Chromosome.
Tissue Specificity	Both the unedited and the RNA edited versions are induced by butyrate (at protein level). Only RNA edited version is induced by DTT, vinblastine or TNF (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Sheep, Xenopus
Similarity	Pig (91%), Bovine (91%), Sheep (91%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA320990 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis on A549 cell lysate using Histone H1.0 Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-H1F0 antibody	Description: H1F0 Histones H1 are necessary for the condensation of nucleosome chains into higher order structures. The H1F0 histones are found in cells that are in terminal stages of differentiation or that have low rates of cell division. Belongs to the histone H1/H5 family. Both the unedited and the RNA edited versions are induced by butyrate (at protein level). Only RNA edited version is induced by DTT, vinblastine or TNF (at protein level). Function: Histones H1 are necessary for the condensation of nucleosome chains into higher-order structures. The H1F0 histones are found in cells that are in terminal stages of differentiation or that have low rates of cell division. Post-translational Modifications: Phosphorylated on Ser-17 in RNA edited version. ADP-ribosylated on Ser-104 in response to DNA damage. Similarity: Belongs to the histone H1/H5 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885371
NCBI GeneID	3005
NCBI Accession #	NP_005309.1
NCBI GenBank Nucleotide #	NM_005318.3
UniProt Accession #	P07305; Q6FG88; Q8N6R3; B2R6I0; B4DRD6
Molecular Weight	Observed: 20 kDa Predicted: 21 kDa
NCBI Official Full Name	histone H1.0
NCBI Official Synonym Full Names	H1 histone family member 0
NCBI Official Symbol	H1F0
NCBI Official Synonym Symbols	H10; H1FV
NCBI Protein Information	histone H1.0
UniProt Protein Name	Histone H1.0
UniProt Gene Name	H1F0
UniProt Synonym Gene Names	H1FV

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.