

Mouse Histone H1 Monoclonal Antibody | anti-H1 antibody

Histone H1 (Nuclear Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62730	Mouse	Human, Mouse, Rat	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Histone H1; Monoclonal Antibody; Histone H1 (Nuclear Marker) Mouse Monoclonal Antibody; H1(0); H1.1; H1.2; H1.3; H1.4; H1.5; H10; H1A; H1F0; H1F1; H1F2; H1F3; H1F4; H1F5; H1FNT; H1FOO; H1FT; H1FV; H1FX; H1t; H1T2; H1X; HANP1; His1; HisC; HIST1; HIST1H1A; HIST1H1B; HIST1H1C; HIST1H1D; HIST1H1E; HIST1H1T; Oocyte-specific histone H1; Testicular H1 histone; anti-H1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	HH1/957
Specificity	Eukaryotic histones are basic and water-soluble nuclear proteins that form hetero-octameric nucleosome particles by wrapping 146 base pairs of DNA in a left-handed super-helical turn sequentially to form chromosomal fiber. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form the octamer; formed of two H2A-H2B dimers and two H3-H4 dimers, forming two nearly symmetrical halves by tertiary structure. Over 80% of nucleosomes contain the linker Histone H1, derived from an intronless gene that interacts with linker DNA between nucleosomes and mediates compaction into higher order chromatin. Histones are subject to posttranslational modification by enzymes primarily on their N-terminal tails, but also in their globular domains. Such modifications include methylation, citrullination, acetylation, phosphorylation, sumoylation, ubiquitination and ADP-ribosylation.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	271
Applicable Applications for anti-H1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Nuclear
Immunogen	Recombinant full-length human Histone H1 protein
Hu-Chromosome Location	3q21-q22; 6q21-q22; 22q13.1
Positive Control	HeLa, A-431, LNCap or Jurkat cells. Breast carcinoma.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with Histone H1 Monoclonal Antibody (HH1/957)



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with Histone H1 Monoclonal Antibody (HH1/957)



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with Histone H1 Monoclonal Antibody (HH1/957)



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Rat Pancreas stained with Histone H1 Monoclonal Antibody (HH1/957)

NCBI AND UNIPROT INFORMATION

NCBI GI #	350536329
NCBI GeneID	778281
NCBI Accession #	NP_001233985.1
NCBI GenBank Nucleotide #	NM_001247056.2
Molecular Weight	~30kDa
NCBI Official Full Name	histone H1
NCBI Official Symbol	H1
NCBI Official Synonym Symbols	leH1
NCBI Protein Information	histone H1

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.