

Rabbit anti-Human HIST1H1D Polyclonal Antibody | anti-HIST1H1D antibody

HIST1H1D Antibody (Center)

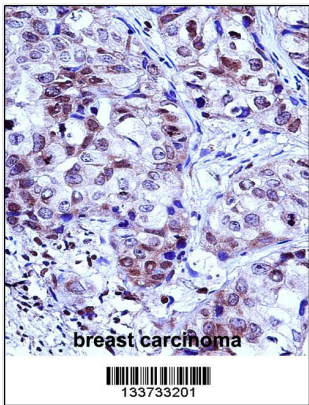
CATALOG # AAA285658	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

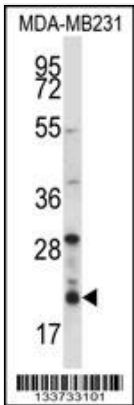
HIST1H1D; Polyclonal Antibody; HIST1H1D Antibody (Center); Histone H13; Histone H1c; Histone H1s-2; H1F3; anti-HIST1H1D antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HIST1H1D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 135-164 amino acids from the Central region of human HIST1H1D.
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.
Sequence Positions	135-164
Sequence Length	221
Applicable Applications for anti-HIST1H1D antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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).
Cellular Location	Nucleus. Chromosome. Note=According to PubMed:15911621 more commonly found in euchromatin. According to PubMed:10997781 is associated with inactive chromatin
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
HIST1H1D Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of HIST1H1D Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
HIST1H1D Antibody (Center) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the HIST1H1D antibody detected the HIST1H1D protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-HIST1H1D antibody	Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.
References	Kim, J.J., et al. J. Hum. Genet. 55(1):27-31(2010) Soranzo, N., et al. PLoS Genet. 5 (4), E1000445 (2009) : Sovio, U., et al. PLoS Genet. 5 (3), E1000409 (2009) : Gudbjartsson, D.F., et al. Nat. Genet. 40(5):609-615(2008) Lettre, G., et al. Nat. Genet. 40(5):584-591(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885377
NCBI GeneID	3007
NCBI Accession #	NP_005311.1
NCBI GenBank Nucleotide #	NM_005320.2
UniProt Accession #	P16402; Q2M2I2; B2R751
Molecular Weight	22350
NCBI Official Full Name	histone H1.3
NCBI Official Synonym Full Names	histone cluster 1, H1d
NCBI Official Symbol	HIST1H1D
NCBI Official Synonym Symbols	H1D; H1.3; H1F3; H1s-2
NCBI Protein Information	histone H1.3

UniProt Protein Name	Histone H1.3
UniProt Gene Name	HIST1H1D
UniProt Synonym Gene Names	H1F3
UniProt Entry Name	H13_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/hist1h1d-antibody-immunohistochemistry-western-blot-elisa/285658>