Rabbit anti-Human Histone H4 Monoclonal Antibody | anti-H4C16 antibody

Histone H4 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282837	**Rabbit**	**Human**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Histone H4; Monoclonal Antibody; Histone H4 Rabbit mAb; H4/p; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4-16; H4C11; H4C12; H4C13; H4C14; H4C15; HIST4H4; anti-H4C16 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	RDNIQGITKP AIRRLARRGG VKRISGLIYE ETRGVLKVFL ENVIRDAVTY TEHAKRKTVT AMDVVYALKR QGRTLYGFGG
Applicable Applications for anti-H4C16 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat, Other (Wide Range Predicted)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 24-103 of human Histone H4 (P62805).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES

IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Mouse kidney using Histone H4 Rabbit mAb (AAA282837) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.

IHC (Immunohistochemisry)
Immunohistochemistry analysis of paraffin-embedded Human colon using Histone H4 Rabbit mAb (AAA282837) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.

IHC (Immunohiostchemistry)
Immunohistochemistry analysis of paraffin-embedded Rat liver using Histone H4 Rabbit mAb (AAA282837) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.

WB (Western Blot)
Western blot analysis of various lysates using Histone H4 Rabbit mAb (AAA282837) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-H4C16 antibody	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element.
Product Categories/Family for anti-H4C16 antibody	Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	77539758
NCBI GeneID	8359
NCBI Accession #	NP_001029249.1
NCBI GenBank Nucleotide #	NM_001034077.4
UniProt Accession #	P62805; P02304; P02305; Q6DRA9; Q6FGB8; Q6NWP7; A2VCL0
Molecular Weight	Calculated MW: 11kDa Observed MW: 11kDa
UniProt Protein Name	Histone H4
UniProt Gene Name	**HIST1H4A**
UniProt Synonym Gene Names	H4/A; H4FA
UniProt Entry Name	H4_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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/histone-h4-antibody-immunohistochemistry-western-blot-elisa/282837