

Rabbit Histone H4 Monoclonal Antibody | anti-H4 antibody

Histone H4 antibody (mAb)(Clone MABI 0400)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60041	Rabbit	Human, Wide Range Predicted	Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation

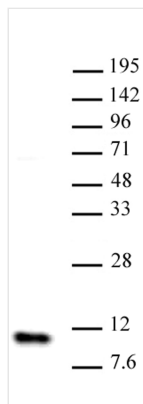
PRODUCT SYNONYMS

Histone H4; Monoclonal Antibody; Histone H4 antibody (mAb)(Clone MABI 0400); anti-H4 antibody

PRODUCT SPECIFICATIONS

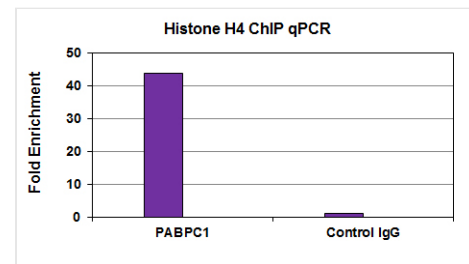
Host	Rabbit
Reactivity	Human, Wide Range Predicted
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	MABI 0400
Purity/Purification	Protein G Chromatography
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	0.7ug/ul (varies by lot)
Applicable Applications for anti-H4 antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation)
Immunogen	This antibody was raised against a synthetic peptide containing human Histone H4.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)

Histone H4 antibody (mAb) tested by Western blot. Nuclear extract (20 ug) of HeLa cells probed with the Histone H4 antibody at 2 ug/ml.



ChIP (Chromatin Immunoprecipitation)

Histone H4 antibody (mAb) tested by ChIP analysis. ChIP performed using the ChIP-IT Express Kit and HeLa Chromatin (1.5 x 10⁶ cell equivalents per ChIP) using 3 ug of Histone H4 (mAb) or the equivalent amount of mouse IgG as a negative control. Real time, quantitative PCR (RT-qPCR) was performed on DNA purified from each of the ChIP reactions using a primer pair specific for the PABPC1 gene. Data are presented as Fold Enrichment of antibody versus control IgG (ddCT method).

ADDITIONAL INFORMATION

Related Product Information for anti-H4 antibody	Short Description: Our Histone H4 antibody (mAb)(Clone MABI 0400) was raised in a Mouse host. It has been validated for use in Chromatin Immunoprecipitation and Western blot; it has been shown to react with Human samples, but it is predicted that it will react with a wide range of sample types. Background: Histone H4 is one of the core components of the nucleosome. The nucleosome is the smallest subunit of chromatin and consists of 147 base pairs of DNA wrapped around an octamer of core histone proteins (two each of Histone H2A, Histone H2B, Histone H3 and Histone H4). Histone H1 is a linker histone, present at the interface between the nucleosome core and DNA entry/exit points; it is responsible for establishing higher-order chromatin structure. Chromatin is subject to a variety of chemical modifications, including post-translational modifications of the histone proteins and the methylation of cytosine residues in the DNA. Reported histone modifications include acetylation, methylation, phosphorylation, ubiquitylation, glycosylation, ADP-ribosylation, carbonylation and SUMOylation; they play a major role in regulating gene expression.
Product Categories/Family for anti-H4 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	28173560
NCBI GeneID	121504
NCBI Accession #	NP_778224; AB_2793667
NCBI GenBank Nucleotide #	NM_175054.2
UniProt Accession #	P62805; P02304; P02305; Q6DRA9; Q6FGB8; Q6NWP7; A2VCL0; Q0VAS5; Q6B823
Molecular Weight	11,367 Da
NCBI Official Full Name	histone H4
NCBI Official Synonym Full Names	histone cluster 4, H4
NCBI Official Symbol	HIST4H4
NCBI Official Synonym Symbols	H4/p; HIST1H4A; HIST1H4B; HIST1H4C; HIST1H4D; HIST1H4E; HIST1H4F; HIST1H4H; HIST1H4I; HIST1H4J; HIST1H4K; HIST1H4L; HIST2H4A; HIST2H4B; MGC24116
NCBI Protein Information	histone H4; histone 4, H4; OTTHUMP00000239323
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/histone-h4-antibody-clone-mabi-0400-western-blot-chromatin-immunoprecipitation-elisa/60041>