

Rabbit Histone H4 Monoclonal Antibody | anti-HIST1H4A antibody

Anti-Histone H4 (tri methyl K20) Rabbit Monoclonal Antibody

CATALOG # AAA124508	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

Histone H4; Monoclonal Antibody; Anti-Histone H4 (tri methyl K20) Rabbit Monoclonal Antibody; HIST1H4A; H4/A; H4FA; HIST1H4B; H4/I; H4FI; HIST1H4C; H4/G; H4FG; HIST1H4D; H4/B; H4FB; HIST1H4E; H4/J; H4FJ; HIST1H4F; H4/C; H4FC; HIST1H4H; H4/H; H4FH; HIST1H4I; H4/M; H4FM; HIST1H4J; H4/E; H4FE; HIST1H4K; H4/D; H4FD; HIST1H4L; H4/K; H4FK; HIST2H4A; H4/N; H4F2; H4FN; HIST2H4; HIST2H4B; H4/O; H4FO; HIST4H4; anti-HIST1H4A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	103
Applicable Applications for anti-HIST1H4A antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human Histone H4 (tri methyl K20)
Subcellular Localization	Nucleus. Chromosome.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human stomach, using Histone H4 (tri methyl K20) Antibody(AAA124508)HIST1H4A was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-HIST1H4A Antibody (AAA124508)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Western blot analysis of Histone H4 (tri methyl K20) expression in HeLa cell lysate (AAA124508).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-HIST1H4A monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for HIST1H4A

ADDITIONAL INFORMATION

Related Product Information for anti-HIST1H4A antibody	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.
Product Categories/Family for anti-HIST1H4A antibody	Epigenetics and Nuclear Signaling; histones; h4; unmodified; Epigenetics and Nuclear Signaling; ChIP'ing Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	77539758
NCBI GeneID	554313
NCBI Accession #	NP_001029249.1
NCBI GenBank Nucleotide #	NM_001034077.4
UniProt Accession #	P62805; P02304; P02305; Q6DRA9; Q6FGB8; Q6NWP7; A2VCL0
Molecular Weight	11367 MW
NCBI Official Full Name	histone H4
NCBI Official Synonym Full Names	histone cluster 2 H4 family member b
NCBI Official Symbol	HIST2H4B
NCBI Official Synonym Symbols	H4/o
NCBI Protein Information	histone H4
UniProt Protein Name	Histone H4
UniProt Gene Name	HIST1H4A
UniProt Synonym Gene Names	H4/A; H4FA

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-western-blot-immunohistochemistry-elisa/124508>