

Rabbit anti-Human Me2-H4 (K20) Polyclonal Antibody | anti-HIST1H4A antibody

Me2-H4 (K20) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287374	Rabbit	Human	Dot Blot, Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Me2-H4 (K20); Polyclonal Antibody; Me2-H4 (K20) Antibody; Histone H4; HIST1H4A; H4/A; H4FA; anti-HIST1H4A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This H4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from human H4.
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.
Concentration	Vial Concentration: 0.264 (varies by lot)
Sequence Positions	1-30
Sequence Length	103
Applicable Applications for anti-HIST1H4A antibody	DB (Dot Blot), WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

H4 Antibody (K20 [Me2]) flow cytometric analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human lung carcinoma reacted with PSMA4 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



DB (Dot Blot)

Dot blot analysis of anti-hH4-K20(Methyl 2) methylation-specific Pab on nitrocellulose membrane. 50ng of methylation-peptide or Non methylation-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.



WB (Western Blot)

Western blot analysis of lysate from K562 cell line, using H4 Antibody (K20). AAA287374 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-HIST1H4A antibody

Histone proteins H3, H4, H2A, and H2B function as building blocks to package eukaryotic DNA into repeating nucleosome units that are folded in higher order chromatin fibers. The nucleosome is composed of an octamer containing a H3/H4 tetramer and two H2A/H2B dimers, surrounded by approximately 146 base pairs of DNA. A diverse and elaborate array of post-translational modifications including acetylation, phosphorylation, methylation, ubiquitination, and ADP-ribosylation occurs on the N-terminal tail domains of histones.

NCBI AND UNIPROT INFORMATION

NCBI GI #	77539758
NCBI GeneID	554313
NCBI Accession #	NP_001029249.1; NP_003486.1; NP_003529.1; NP_003530.1; NP_003531.1; NP_003532.1; NP_003533.1; NP_003534.1; NP_003535.1; NP_003536.1; NP_003537.1; NP_003539.1; NP_068803.1; NP_778224.1
NCBI GenBank Nucleotide #	NM_001034077.4
UniProt Accession #	P62805; P02304; P02305; Q6DRA9; Q6FGB8; Q6NWP7; A2VCL0
Molecular Weight	11367
NCBI Official Full Name	histone H4
NCBI Official Synonym Full Names	histone cluster 2, H4b
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
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/polyclonal/me2-h4-k20-antibody-dot-blot-western-blot-flow-cytometry-immunohistochemistry-elisa/287374>