

Mouse Histone H3K4me1 Antibody | anti-H3K4me1 antibody

AbFlex Histone H3K4me1 antibody (rAb)

CATALOG # AAA60285	HOST Mouse	REACTIVITY Human, Wide Range Predicted	APPLICATIONS Western Blot
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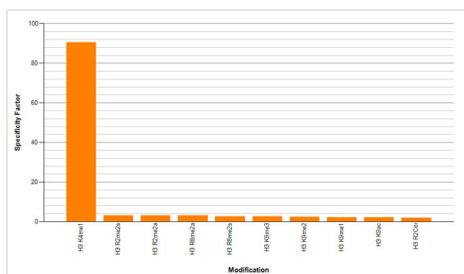
PRODUCT SYNONYMS

Histone H3K4me1; AbFlex Histone H3K4me1 antibody (rAb); anti-H3K4me1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Wide Range Predicted
Isotype	IgG2a
Purity/Purification	Protein A Chromatography
Form/Format	140mM Hepes, pH7.5, 70mM NaCl, 32mM NaOAc, 0.035% sodium azide, and 30% glycerol. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-H3K4me1 antibody	WB (Western Blot)
Antibody Type	Recombinant Antibody
Conjugation	Methylated
Immunogen	This antibody was raised against a peptide containing mono-methyl lysine 4 of Histone H3.
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



ADDITIONAL INFORMATION

Related Product Information for anti-H3K4me1 antibody	Short Description: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. Our AbFlex Histone H3K4me1 antibody (rAb) was raised in a Mouse host. It has been validated for use in 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: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. AbFlex Histone H3K4me1 antibody was expressed as full-length IgG with mouse immunoglobulin heavy and light chains (IgG2a isotype) in mammalian 293 cells. Histone H3 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. Histone H1 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; these modifications play a major role in regulating gene expression.
Product Categories/Family for anti-H3K4me1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

Molecular Weight	17kDa
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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/mouse-human-antibody/histone-h3k4me1/60285>