

Histone H3K79me2 Recombinant Antibody | H3K79me2 recombinant antibody

AbFlex Histone H3K79me2 antibody (rAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60356	Rabbit	Human, Wide Range Predicted	Western Blot, Dot Blot, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

Histone H3K79me2; AbFlex Histone H3K79me2 antibody (rAb); 100 ug; H3K79me2 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Wide Range Predicted
Isotype	IgG2a
Purity/Purification	Protein A Chromatography
Form/Format	140 mM Hepes, pH 7.5, 70 mM NaCl, 32 mM NaOAc, 0.035% sodium azide, and 30% glycerol.
Applicable Applications for H3K79me2 recombinant antibody	WB (Western Blot), DB (Dot Blot), ChIP (Chromatin immunoprecipitation)
Modification	Methylated
Immunogen	This Histone H3 dimethyl Lys79 antibody was raised against a peptide including dimethyl-lysine 79 of histone H3.
Preparation and Storage	Store at -20 degree C. 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.

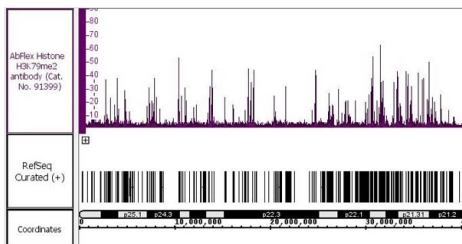
IMAGES



Application Data



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for H3K79me2 recombinant antibody	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 H3K79me2 antibody (rAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, Dot blot 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. 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 H3K79me2 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). 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. Lysine 79 of histone H3 can be mono-, di- or trimethylated by Dot1 methylase; methylation at this residue acts as a marker of inactive chromatin regions that is critical for transcriptional silencing, and it is thought that silencing proteins such as Sir3 function by blocking Dot1 methylation.
Product Categories/Family for H3K79me2 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504281
NCBI GeneID	8350
NCBI Accession #	NP_003520
NCBI GenBank Nucleotide #	NM_003529
UniProt Accession #	P68431; P02295; P02296; P16106; Q6ISV8; Q6NWP8; Q6NWP9; Q6NXU4; Q71DJ3; Q93081; A0PJT7; A5PLR1
Molecular Weight	15,404 Da
NCBI Official Full Name	histone H3.1
NCBI Official Synonym Full Names	histone cluster 1, H3a
NCBI Official Symbol	HIST1H3A
NCBI Official Synonym Symbols	H3/A; H3FA
NCBI Protein Information	histone H3.1; H3 histone family, member A; histone 1, H3a; histone H3/a
UniProt Protein Name	Histone H3.1
UniProt Gene Name	HIST1H3A

UniProt Synonym Gene Names	H3FA
UniProt Entry Name	H31_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/rabbit-human-recombinant-antibody/histone-h3k79me2/60356>