

Rabbit H4K20me3 Antibody | anti-H4K20me3 antibody

Histone H4K20me3 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10649	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

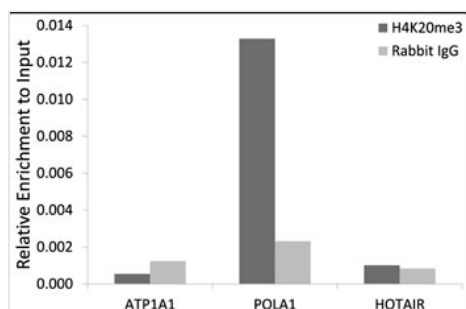
PRODUCT SYNONYMS

H4K20me3; Histone H4K20me3 Polyclonal Antibody; TriMethyl-Histone H4-K20: H4; H4/n; H4F2; H4FN; FO108; HIST2H4; anti-H4K20me3 antibody

PRODUCT SPECIFICATIONS

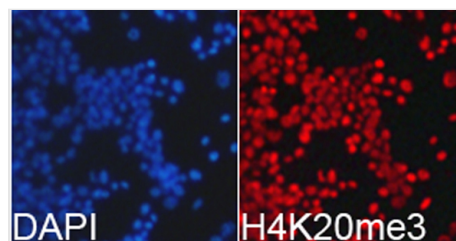
Host	Rabbit
Reactivity	Human, Mouse, Rat
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	103
Applicable Applications for anti-H4K20me3 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation), ChIP (Chromatin Immunoprecipitation), ChIP (Chromatin Immunoprecipitation)
Application Notes	WB: 1:500 - 1:2000 IF: 1:50 - 1:200 IP: 1:50 - 1:200 CHIP: 1:50 - 1:100 IHC: 1:50-1:200 ChIPseq: 1:20-1:100
Immunogen	A synthetic methylated peptide corresponding to residues surrounding K20 of human histone H4
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



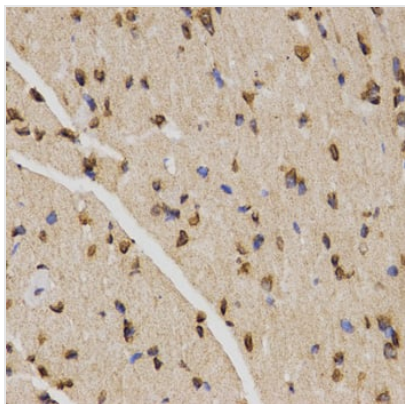
Histogram

Chromatin immunoprecipitation analysis of extracts of HeLa cells, using TriMethyl-Histone H4-K20 antibody (AAA10649) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



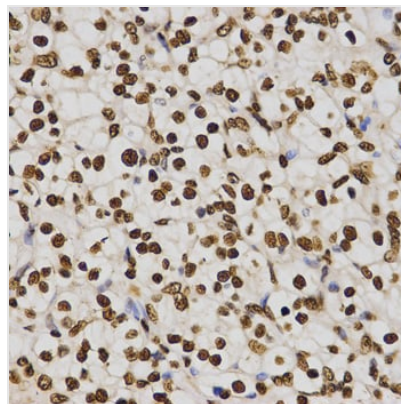
IF (Immunofluorescence)

Immunofluorescence analysis of 293T cells using TriMethyl-Histone H4-K20 antibody. Blue: DAPI for nuclear staining.



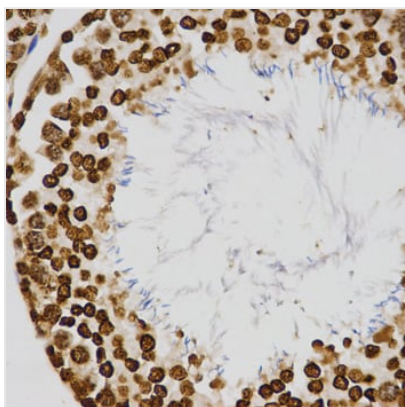
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse heart using TriMethyl-Histone H4-K20 antibody at dilution of 1:200 (40x lens).



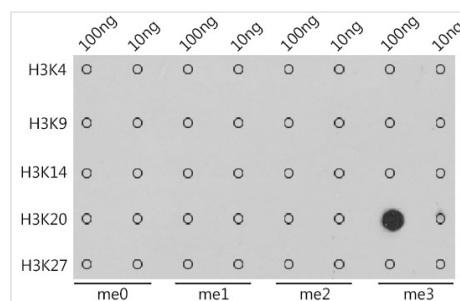
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney cancer using TriMethyl-Histone H4-K20 antibody at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat testis using TriMethyl-Histone H4-K20 antibody at dilution of 1:200 (40x lens).



DB (Dot Blot)

Dot-blot analysis of all sorts of methylation peptides using TriMethyl-Histone H4-K20 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-H4K20me3 antibody

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.

Product Categories/Family for anti-H4K20me3 antibody

[Methylation](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	51317339
NCBI GeneID	8370
UniProt Accession #	P62805 ; P02304 ; P02305 ; Q6DRA9 ; Q6FGB8 ; Q6NWP7 ; A2VCL0
Molecular Weight	Calculated MW: 11kDa Observed MW: 11kDa
NCBI Official Full Name	Histone H4
NCBI Official Synonym Full Names	histone cluster 2, H4a

NCBI Official Symbol	HIST2H4A
NCBI Official Synonym Symbols	H4; H4/n; H4F2; H4FN; FO108; HIST2H4
NCBI Protein Information	histone H4; histone 2, H4a; H4 histone, family 2; histone IV, family 2; H4 histone family, member N
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/rabbit-human-mouse-rat-antibody/h4k20me3/10649>