

Rabbit anti-Human TriMethyl-Histone H3-K36 Monoclonal Antibody | anti-H3-K36 antibody

TriMethyl-Histone H3-K36 Rabbit mAb

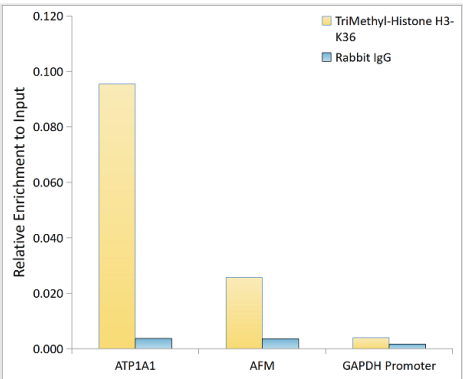
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28630	Rabbit	Human	Western Blot, Dot Blot, Immunohistochemistry, Immunoprecipitation, ELISA, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

TriMethyl-Histone H3-K36; Monoclonal Antibody; TriMethyl-Histone H3-K36 Rabbit mAb; H3.4; H3/g; H3FT; H3t; HIST3H3; Histone H3; HIST1H3A; anti-H3-K36 antibody

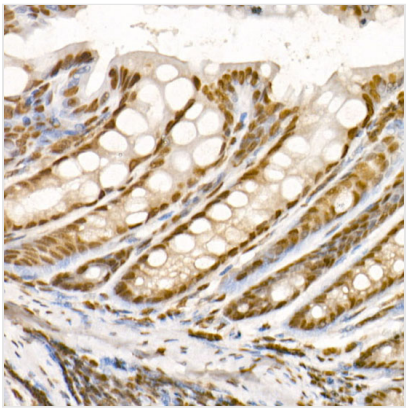
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MARTKQTARK STGGKAPRKQ LATKAARKSA PATGGVKKPH RYRPGTVALR EIRRYQKSTE LLIRKLPFQR LVREIAQDFK TDLRFQSSAV MALQEACEAY
Applicable Applications for anti-H3-K36 antibody	WB (Western Blot), DB (Dot Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation), ELISA, ChIP (Chromatin Immunoprecipitation), ChIP (Chromatin Immunoprecipitation)
Application Notes	WB: 1:500-1:1000 DB: 1:500-1:1000 IHC-P: 1:100-1:500 IP: 0.5ug-4ug antibody for 200ug-400ug extracts of whole cells ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements. ChIP: 5ug antibody for 5ug-10ug of Chromatin ChIP-seq: 1:50-1:100
Cross Reactivity	Human, Mouse, Rat, Other (Wide Range Predicted)
Immunogen	A synthetic trimethylated peptide around K36 of human Histone H3 (NP_003520.1).
Modification	TriMethyl K36
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



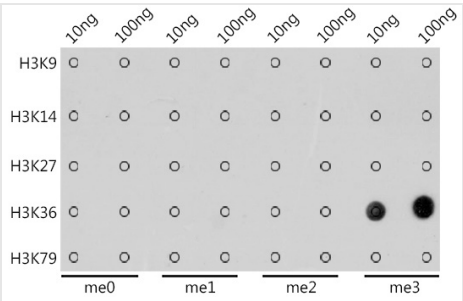
ChIP (Chromatin Immunoprecipitation)

Chromatin immunoprecipitation analysis of extracts of HeLa cells, using TriMethyl-Histone H3-K36 antibody (AAA28630) 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.



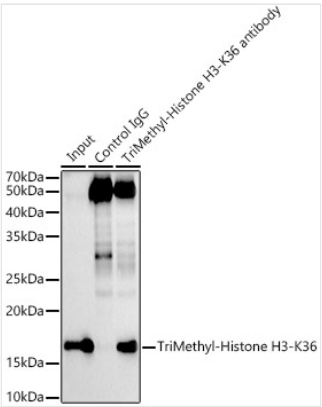
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using TriMethyl-Histone H3-K36 Rabbit mAb (AAA28630) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



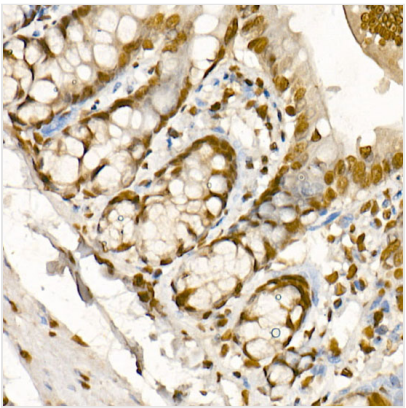
DB (Dot Blot)

Dot-blot analysis of all sorts of peptides using TriMethyl-Histone H3-K36 antibody (AAA28630) at 1:1000 dilution.



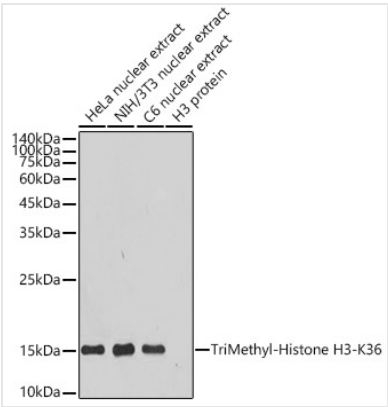
IP (Immunoprecipitation)

Immunoprecipitation analysis of 600 ug extracts of 293F cells using 5 ug TriMethyl-Histone H3-K36 antibody (AAA28630). Western blot was performed from the immunoprecipitate using TriMethyl-Histone H3-K36 antibody (AAA28630) at a dilution of 1:1000.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using TriMethyl-Histone H3-K36 Rabbit mAb (AAA28630) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates using TriMethyl-Histone H3-K36 Rabbit mAb (AAA28630) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-H3-K36 antibody	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.
Product Categories/Family for anti-H3-K36 antibody	Signal Transduction ; MAPK-Erk Signaling Pathway ; MAPK-P38 Signaling Pathway ; Epigenetics & Nuclear Signaling ; Epigenetic Modifications ; Methylation ; Methylated Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504299
NCBI GeneID	8290/8350
NCBI Accession #	NP_003484.1
NCBI GenBank Nucleotide #	NM_003493.2
UniProt Accession #	Q16695 ; P68431
Molecular Weight	Calculated MW: 15kDa
UniProt Protein Name	Histone H3.1t
UniProt Gene Name	HIST3H3
UniProt Synonym Gene Names	H3FT; H3/t; H3t
UniProt Entry Name	H31T_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/monoclonal/trimethyl-histone-h3-k36-antibody-western-blot-dot-blot-immunohistochemistry-immunoprecipitation-chromatin-immunoprecipitation-chromatin-immunoprecipitation-elisa/28630>