Rabbit MonoMethyl-Histone H3-K79 Polyclonal Antibody | anti-H3-K79 antibody

MonoMethyl-Histone H3-K79 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282225	**Rabbit**	**Human, Mouse, Rat**	**Chromatin Immunoprecipitation, Immunoprecipitation, Western Blot**

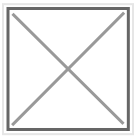
PRODUCT SYNONYMS

MonoMethyl-Histone H3-K79; Polyclonal Antibody; MonoMethyl-Histone H3-K79 Rabbit pAb; H3.4; H3/g; H3FT; H3t; HIST3H3; Histone H3; HIST1H3A; anti-H3-K79 antibody

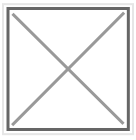
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	EIPVIVENNS TDVLVERRFT CLLKNVFPKA NITWFIDGSF LHDEKEGIYI TNEERKGKDG FLELKSVLTR VHSNKPAQSD NLTIWCMALS PVPGNKVWNI S
Applicable Applications for anti-H3-K79 antibody	ChIP (Chromatin immunoprecipitation), WB (Western Blot)
Positive Samples	HeLa, NIH/3T3, C6, H3
Immunogen	A synthetic monomethylated peptide around K79 of human histone H3 (NP_003520.1).
Cellular Location	Chromosome, Nucleus
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ChIP (Chromatin Immunoprecipitation)
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using MonoMethyl-Histone H3-K79 antibody 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.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using MonoMethyl-Histone H3-K79 antibody at 1:500 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-H3-K79 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-K79 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 #	161784352
NCBI GeneID	10225
UniProt Accession #	P40200; Q5JPB3
Molecular Weight	63,888 Da
NCBI Official Full Name	T-cell surface protein tactile
NCBI Official Synonym Full Names	CD96 molecule
NCBI Official Symbol	CD96
NCBI Official Synonym Symbols	TACTILE
NCBI Protein Information	T-cell surface protein tactile
UniProt Protein Name	T-cell surface protein tactile
UniProt Gene Name	**CD96**

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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