

Histone H3K79me2 Polyclonal Antibody

Catalog No: #ABHW012



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Description

Product Name	Histone H3K79me2 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits and were purified by antigen affinity-chromatography.
Applications	WB IHC IF IP ChIP
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human Histone H3K79me2
Target Name	Histone H3
Modification	K79me2
Other Names	H3.4; H3/g; H3FT; H3t; MGC126886; MGC126888;
Accession No.	Gene ID: 8290 Swiss Prot: Q16695
SDS-PAGE MW	16kDa
Concentration	1.0mg/ml
Formulation	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage	Store at -20°C or -80°C. Avoid freeze / thaw cycles.

Application Details

WB 1:500 - 1:1000

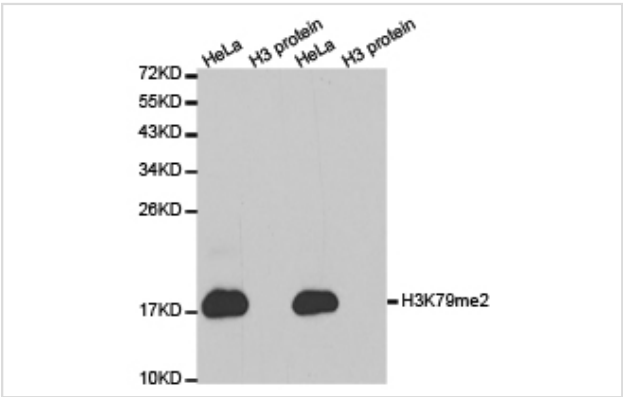
IHC 1:50- 1:100

IF 1:50- 1:200

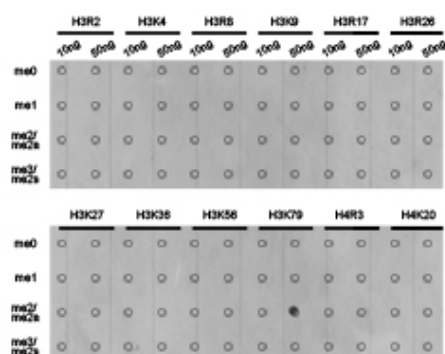
IP 1:50- 1:200

ChIP 1:50- 1:200

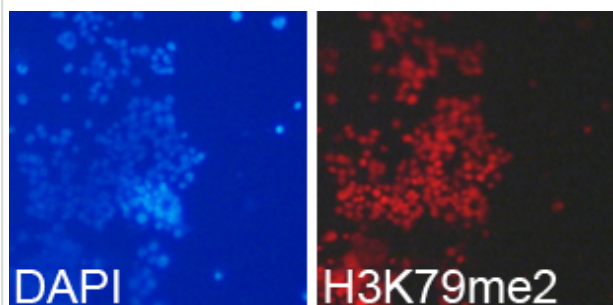
Images



Western blot analysis of extracts of HeLa cell line and H3 protein expressed in E.coli., using H3K79me2 antibody.



Dot-blot analysis of all sorts of methylation peptides using H3K79me2 antibody.



Immunofluorescence analysis of 293T cells using H3K79me2 antibody. Blue: DAPI for nuclear staining.

Background

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 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.