MonoMethyl-Histone H3-K79 Rabbit Polyclonal Antibody

CAB2367

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

17kDa

Calculated MW:

15kDa

Applications:

WB IHC IF IP ChIP ChIPseq

Reactivity:

Human, Mouse, Rat, Other (Wide Range)

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:200 ChIP 1:20 - 1:100 ChIPseq 1:20 - 1:100

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein 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 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.

Immunogen information

Gene ID:
8290

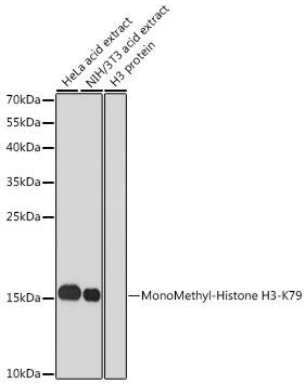
Uniprot
Q16695

Synonyms:
H3.4; H3/g; H3FT; H3t; HIST3H3; Histone H3; HIST1H3A

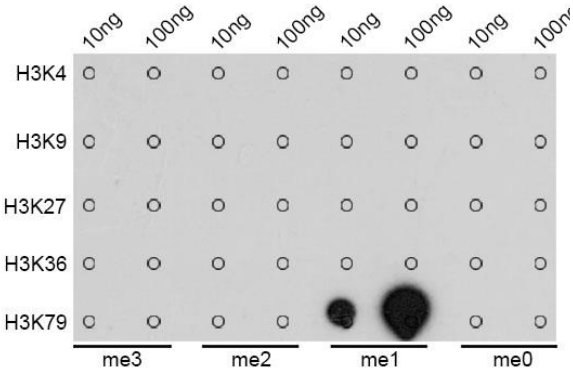
Immunogen:
A synthetic methylated peptide corresponding to residues surrounding K79 of human histone H3

Storage:
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

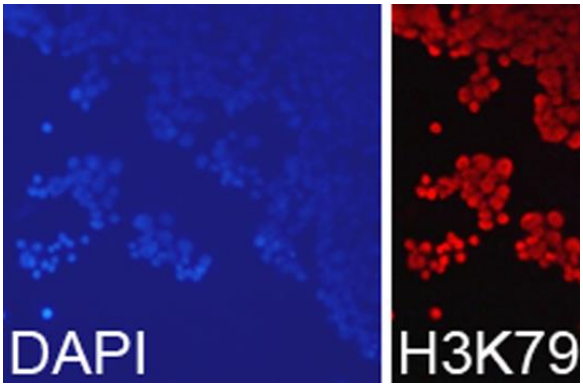
Product Images



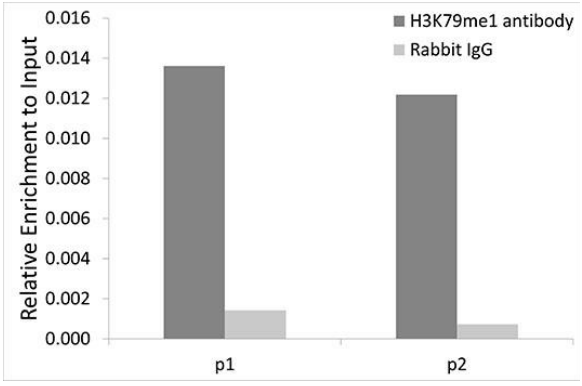
Western blot analysis of extracts of various cell lines, using MonoMethyl-Histone H3-K79 antibody (CAB2367) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 300s.



Dot-blot analysis of all sorts of methylation peptides using MonoMethyl-Histone H3-K79 antibody (CAB2367).



Immunofluorescence analysis of 293T cells using MonoMethyl-Histone H3-K79 antibody (CAB2367). Blue: DAPI for nuclear staining.



Chromatin immunoprecipitation analysis of extracts of 293T cells, using MonoMethyl-Histone H3-K79 antibody (CAB2367) and rabbit IgG. P1 and P2 were located on GAPDH gene. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.

