# MonoMethyl-Histone H3-K79 Rabbit pAb

Catalog No.: A2367 3 Publications



### **Basic Information**

Observed MW 17 kDa

Calculated MW 15 kDa

Category Primary antibody

Applications WB,IHC-P,IF/ICC,ELISA,ChIP,ChIP-seq

Cross-Reactivity Human, Mouse, Rat, Other (Wide Range Predicted)

### 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.

# **Recommended Dilutions**

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
ChIP	6µg antibody for 5µg-10µg of Chromatin
ChIP-seq	1:20 - 1:100

### Contact

6	400-999-6126
$\times$	cn.market@abclonal.com.cn

# Immunogen Information

Gene ID 8290/8350 Swiss Prot Q16695/P68431

#### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

#### Synonyms

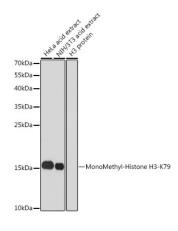
H3t; H3.4; H3/g; H3FT; H3C16; HIST3H3; MonoMethyl-Histone H3-K79

# **Product Information**

**Source** Rabbit **lsotype** IgG **Purification** Affinity purification

#### Storage

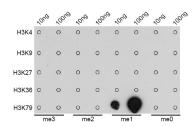
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% Sodium azide,50% glycerol,pH7.3. www.abclonal.com.cn

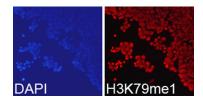


Western blot analysis of various lysates using MonoMethyl-Histone H3-K79 Rabbit pAb (A2367) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 300s.

Chromatin immunoprecipitation analysis of extracts of HeLa cells, using MonoMethyl-Histone H3-K79 antibody (A2367) 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.





Dot-blot analysis of all sorts of methylation peptides using MonoMethyl-Histone H3-K79 antibody (A2367). Immunofluorescence analysis of 293T cells using MonoMethyl-Histone H3-K79 Rabbit pAb (A2367). Blue: DAPI for nuclear staining.