# **DiMethyl-Histone H3-K79 Rabbit pAb**

Catalog No.: A20822 1 Publications



## **Basic Information**

#### **Observed MW**

17 kDa

#### **Calculated MW**

15 kDa

## Category

Primary antibody

#### **Applications**

WB, ELISA, ChIP

#### **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

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

**ChIP** 5μg antibody for

5μg-10μg of Chromatin

## Immunogen Information

**Gene ID Swiss Prot** 8290/8350 Q16695/P68431

#### **Immunogen**

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

#### Synonyms

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

## **Contact**

<u>a</u>		400-999-6126
$\bowtie$		cn.market@abclonal.com.cn
$\odot$	1	www.abclonal.com.cn

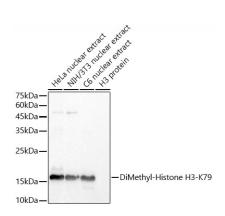
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of various lysates using DiMethyl-Histone H3-K79 Rabbit pAb (A20822) at 1:500 dilution

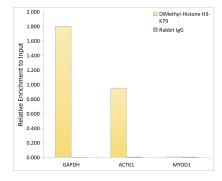
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using DiMethyl-Histone H3-K79 antibody (A20822) 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.