# TriMethyl-Histone H3-K9 Rabbit mAb

www.abclonal.com

ABclonal

Catalog No.: A22297 Recombinant

# **Basic Information**

### **Observed MW**

17kDa

### **Calculated MW**

15kDa

# Category

Primary antibody

## **Applications**

WB, DB, ELISA, ChIP

### **Cross-Reactivity**

Human, Mouse, Rat, Other (Wide Range Predicted)

# CloneNo number

ARC54899

# **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** 1:2000 - 1:20000

DB 1:2000 - 1:10000

**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**

H3.4; H3/g; H3FT; H3t; HIST3H3; Histone H3; HIST1H3A; TriMethyl-Histone H3-K9

## Contact

<b>a</b>	400-999-6126
×	cn.market@abclonal.com.cn
	www.abclonal.com.cn

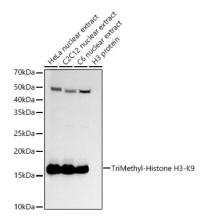
# **Product Information**

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

#### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of various lysates, using TriMethyl-Histone H3-K9 Rabbit mAb (A22297) at 1:20000 dilution

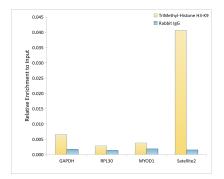
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

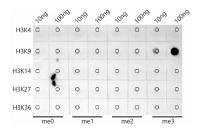
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using TriMethyl-Histone H3-K9 antibody (A22297) 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 peptides using TriMethyl-Histone H3-K9 antibody (A22297) at 1:10000 dilution.