# **DiMethyl-Histone H3-K9 Rabbit mAb**

Ab www.abclonal.com

ABclonal

Catalog No.: A26196 Recombinant

# **Basic Information**

### **Observed MW**

17 kDa

#### **Calculated MW**

15 kDa

### Category

Primary antibody

### **Applications**

WB, DB, IHC-P, ELISA, ChIP

#### **Cross-Reactivity**

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

## CloneNo number

ARC68260

# **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 **DB** 1:500 - 1:1000

**IHC-P** 1:100 - 1:500

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

**ChIP** 2μg antibody for

5μg-10μg of Chromatin

### **Contact**

<b>a</b>	400-999-6126
$\bowtie$	cn.market@abclonal.com.cn
•	www.abclonal.com.cn

# **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-K9

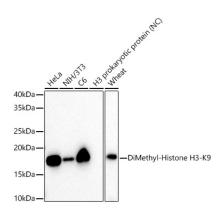
### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



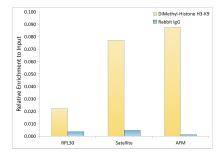
Western blot analysis of various lysates using DiMethyl-Histone H3-K9 Rabbit mAb (A26196) at 1:1000 dilution incubated overnight at  $4^{\circ}$ C.

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

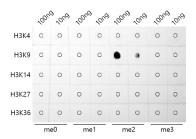
Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).

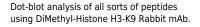
Negative control (NC): H3 prokaryotic protein

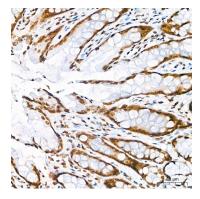
Exposure time: 30s.



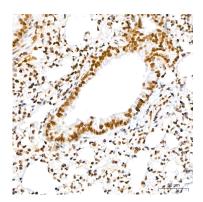
Chromatin immunoprecipitation was performed with 10  $\mu$ g of cross-linked chromatin from HeLa cells, using 3  $\mu$ g of DiMethyl-Histone H3-K9 Rabbit mAb (A26196) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.



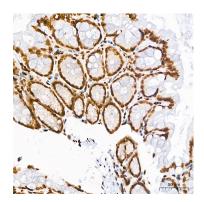




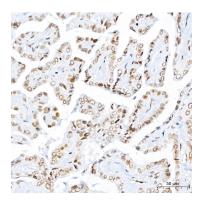
Immunohistochemistry analysis of paraffinembedded Rat colon tissue using DiMethyl-Histone H3-K9 Rabbit mAb (A26196) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse lung tissue using DiMethyl-Histone H3-K9 Rabbit mAb (A26196) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse colon tissue using DiMethyl-Histone H3-K9 Rabbit mAb (A26196) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining



Immunohistochemistry analysis of paraffinembedded Human thyroid cancer tissue using DiMethyl-Histone H3-K9 Rabbit mAb (A26196) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.