

# MonoMethyl-Histone H3-K36 Rabbit mAb

Catalog No.: A22863 **Recombinant**

## Basic Information

**Observed MW**

17kDa

**Calculated MW**

15kDa

**Category**

Primary antibody

**Applications**

ELISA,DB,WB,IHC-P

**Cross-Reactivity**

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

**CloneNo number**

ARC54738

## Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 found in the large histone gene cluster on chromosome 6p22-p21.3.

## Recommended Dilutions

<b>DB</b>	1:500 - 1:1000
<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:500 - 1:1000

## Immunogen Information

**Gene ID**

8290/8350

**Swiss Prot**

Q16695/P68431

**Immunogen**

A synthetic monomethylated peptide around K36 of human histone H3(NP\_003520.1).

**Synonyms**

H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A; MonoMethyl-Histone H3-K36

## Contact

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		<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

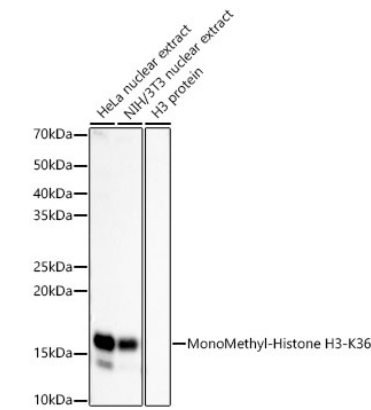
Affinity purification

**Storage**

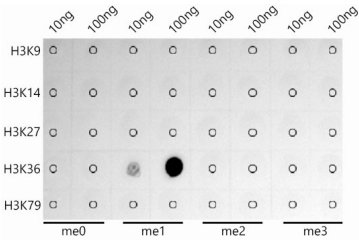
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

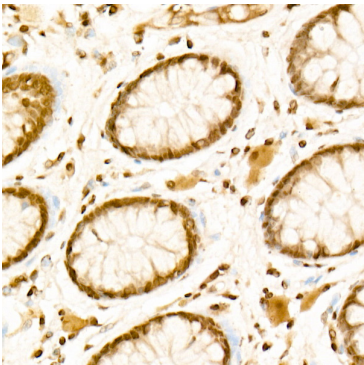
Validation Data



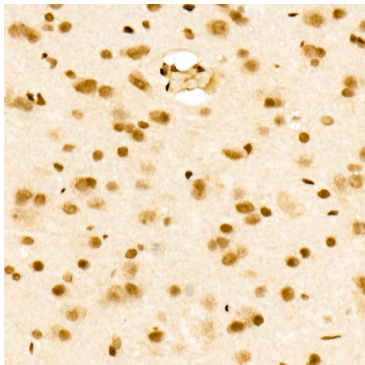
Western blot analysis of various lysates, using MonoMethyl-Histone H3-K36 Rabbit mAb (A22863) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



Dot-blot analysis of all sorts of peptides using MonoMethyl-Histone H3-K36 antibody (A22863) at 1:1000 dilution.



Immunohistochemistry analysis of MonoMethyl-Histone H3-K36 in paraffin-embedded human colon carcinoma using MonoMethyl-Histone H3-K36 Rabbit mAb (A22863) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of MonoMethyl-Histone H3-K36 in paraffin-embedded rat brain using MonoMethyl-Histone H3-K36 Rabbit mAb (A22863) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.