DiMethyl-Histone H3-K36 Rabbit mAb

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Catalog No.: A22221 Recombinant

Basic Information

Observed MW

17kDa

Calculated MW

16kDa

Category

Primary antibody

Applications

WB, DB, IHC-P, ELISA

Cross-Reactivity

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

CloneNo number

ARC54173

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 1:1000 - 1:5000

1:1000 - 1:5000 DB

IHC-P 1:50 -1:200

Recommended starting **ELISA**

> concentration is 1 µg/mL. Please optimize the concentration based on vour specific assav requirements.

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-K36

Contact

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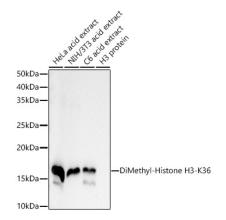
Product Information

Source Isotype **Purification** Rabbit Affinity purification IgG

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 DiMethyl-Histone H3-K36 Rabbit mAb (A22221) at 1:2000 dilution

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

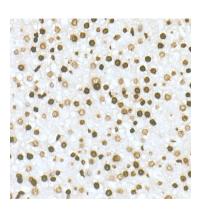
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021).

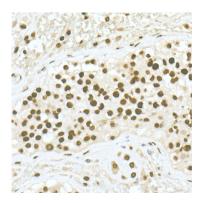
Exposure time: 90s.

	10ng	LOONS	10nd	100ng	10ng	10000	voug	100ng
НЗК9	0	0	0	0	0	0	0	0
H3K14	0	0	0	0	0	0	0	0
H3K27	О	0	0	О	D	0	0	O
H3K36	0	0	0	0	0	•	0	0
H3K79	0	0	0	0	D	0	0	D
-	me0		me1		me2		me3	

Dot-blot analysis of all sorts of peptides using DiMethyl-Histone H3-K36 Rabbit mAb antibody (A22221) at 1:2000 dilution.



Immunohistochemistry analysis of paraffinembedded Human liver cancer using DiMethyl-Histone H3-K36 Rabbit mAb (A22221) at dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human testis using DiMethyl-Histone H3-K36 Rabbit mAb (A22221) at dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.