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DiMethyl-Histone H3-K36 Rabbit pAb

Catalog No.: A2365SP **8 Publications**

Basic Information

Observed MW
17 kDa

Calculated MW
15 kDa

Category
Primary antibody

Applications
WB,IP,IF/ICC,IHC-P,DB,ELISA

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	1:5000 - 1:20000
IP	0.5 μg - 5 μg antibody for 400 μg - 600 μg extracts of whole cells
IF/ICC	1:200 - 1:400
IHC-P	1:2000 - 1:8000
DB	1:2000 - 1:10000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
8290/8350

Swiss Prot
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

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

Contact

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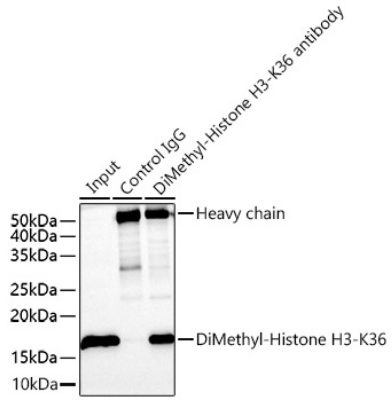
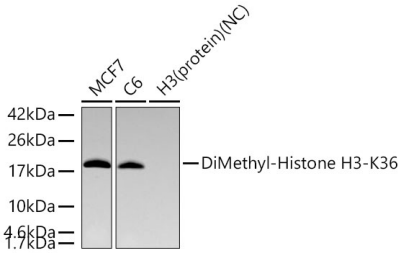
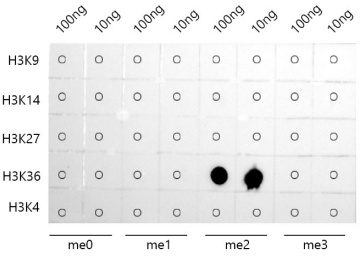
Validation Data



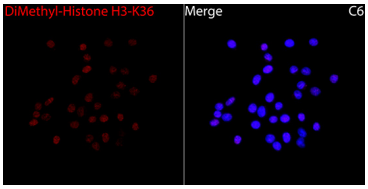
Immunoprecipitation of DiMethyl-Histone H3-K36 from 600 µg extracts of 293F cells was performed using 5 µg of DiMethyl-Histone H3-K36 Rabbit pAb (A2365SP). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using DiMethyl-Histone H3-K36 Rabbit pAb (A2365SP) at a dilution of 1:10000.



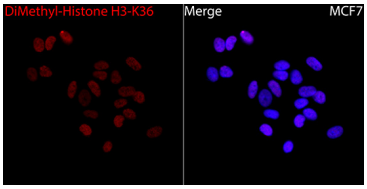
Western blot analysis of various lysates using DiMethyl-Histone H3-K36 Rabbit pAb (A2365SP) at 1:10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): H3 protein.
Exposure time: 15 s.



Dot-blot analysis of all sorts of peptides using DiMethyl-Histone H3-K36 Rabbit pAb (A2365SP) at 1:10000 dilution.

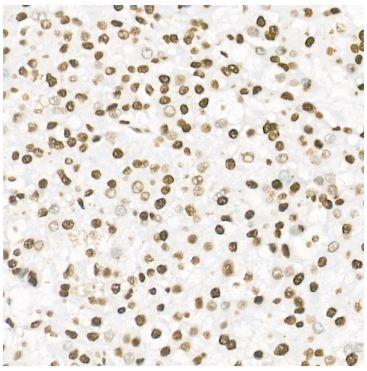


Immunofluorescence analysis of C6 cells using DiMethyl-Histone H3-K36 Rabbit pAb (A2365SP) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

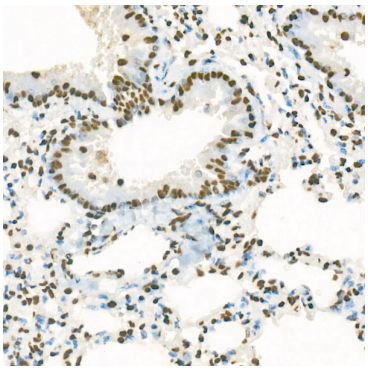


Immunofluorescence analysis of MCF7 cells using DiMethyl-Histone H3-K36 Rabbit pAb (A2365SP) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

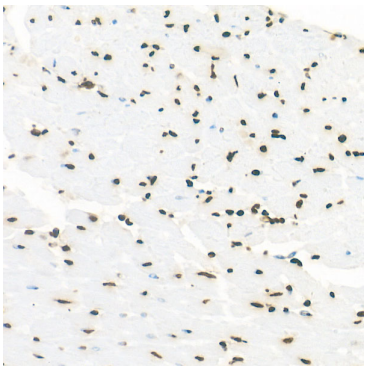
Validation Data



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using DiMethyl-Histone H3-K36 Rabbit pAb (A2365SP) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using DiMethyl-Histone H3-K36 Rabbit pAb (A2365SP) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat heart tissue using DiMethyl-Histone H3-K36 Rabbit pAb (A2365SP) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.