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MonoMethyl-Histone H3-K36 Rabbit mAb

Catalog No.: A23944 Recombinant

Basic Information

Observed MW
17kDa

Calculated MW
15kDa

Category
Primary antibody

Applications
WB,DB,IP,ELISA,ChIP

Cross-Reactivity
Human, Mouse, Rat, Other (Wide Range Predicted)

CloneNo number
ARC61490

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

WB	1:1000 - 1:5000
DB	1:1000 - 1:5000
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
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

Contact

400-999-6126

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Immunogen Information

Gene ID
8290/8350

Swiss Prot
Q16695/P68431

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

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

Product Information

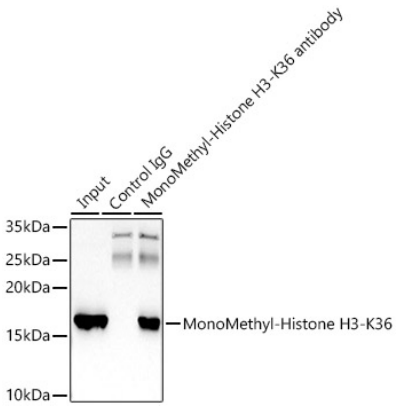
Source
Rabbit

Isotype
IgG

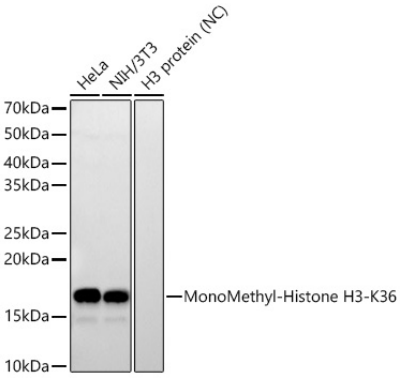
Purification
Affinity purification

Storage
Store at -20℃. 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.

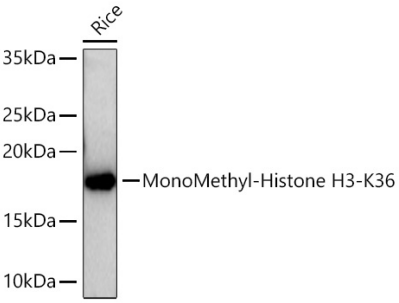
Validation Data



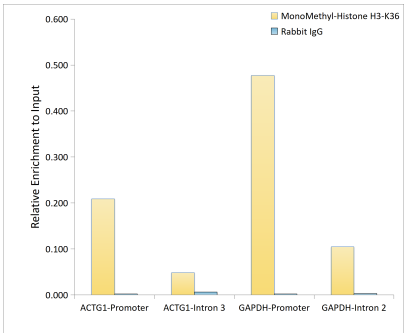
Immunoprecipitation analysis of 600ug extracts of Hela cells using 5ug MonoMethyl-Histone H3-K36 Rabbit mAb (A23944). Western blot was performed from the immunoprecipitate using MonoMethyl-Histone H3-K36 Rabbit mAb (A23944) at a dilition of 1:5000.



Western blot analysis of various lysates, using MonoMethyl-Histone H3-K36 Rabbit mAb (A23944) 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 Basic Kit (RM00020).
Negative control (NC): H3 protein
Exposure time: 60s.

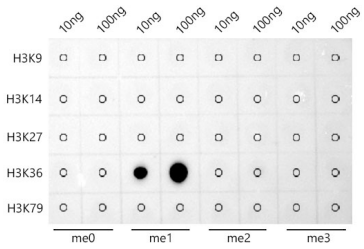


Western blot analysis of lysates from Rice using MonoMethyl-Histone H3-K36 Rabbit mAb (A23944) at 1:2000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Chromatin immunoprecipitation analysis of extracts of MCF7 cells, using MonoMethyl-Histone H3-K36 Rabbit mAb antibody (A23944) 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.

Validation Data



Dot-blot analysis of all sorts of peptides using MonoMethyl-Histone H3-K36 Rabbit mAb (A23944) at 1:2000 dilution.

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