Histone H3K36me3 (Tri-methy Lys36) antibody - ChIP grade

Cat. No. GTX60817

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, Dot, ELISA, ChIP assay, Protein Array
Reactivity	Human, Mouse, Arabidopsis thaliana, Rice

Package
50 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1,000
ICC/IF	1:500
Dot	1:20,000/1:10,000
ELISA	1:4,000
ChIP assay	0.5-5 µg
Protein Array	Assay dependent

Not tested in other applications.

Properties

Form	Liquid
Buffer	PBS
Preservative	0.05% Sodium azide, 0.05% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1.6 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	The region of histone H3 containing the trimethylated lysine 36 (H3K36me3), using a KLH-conjugated synthetic peptide.
Purification	Purified by affinity chromatography
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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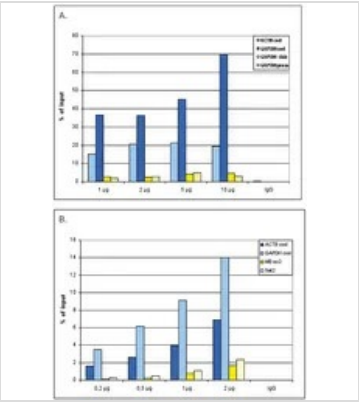
Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

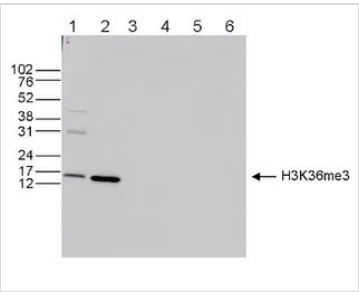
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



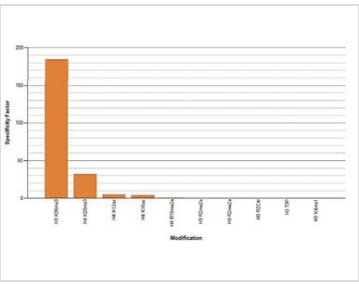
GTX60817 ChIP assay Image

ChIP analysis of sheared chromatin from 10^6 HeLa cells using GTX60817 Histone H3K36me3 (Tri-methy Lys36) antibody - ChIP grade. A titration consisting of 0.2, 0.5, 1 and 2 µg of antibody per ChIP experiment was analyzed. IgG (1 µg/IP) was used as a negative IP control. Quantitative PCR was performed with primers for the coding region of the active GAPDH and ACTB genes, used as positive controls, and for the coding region of the inactive MB gene and the Sat satellite repeat, used as negative controls. This figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).



GTX60817 WB Image

WB analysis of whole cell (25 µg, lane 1) and histone extracts (15 µg, lane 2) from HeLa cells, and on 1 µg of recombinant histone H2A, H2B, H3 and H4 (lane 3, 4, 5 and 6, respectively) using GTX60817 Histone H3K36me3 (Tri-methy Lys36) antibody - ChIP grade.
Dilution : 1:1,000



GTX60817 Protein Array Image

Protein Array analysis of an array containing 384 peptides with different combinations of modifications from histone H3, H4, H2A and H2B using GTX60817 Histone H3K36me3 (Tri-methy Lys36) antibody - ChIP grade. This figure shows the specificity factor, calculated as the ratio of the average intensity of all spots containing the mark, divided by the average intensity of all spots not containing the mark. The peptide array analysis shows a slight cross reaction with H4K20me3 that was not observed in dot blot.
Dilution : 1:10,000

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