

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

**Cat. No. GTX60817**

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

Package

50 µg

## APPLICATION

**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

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



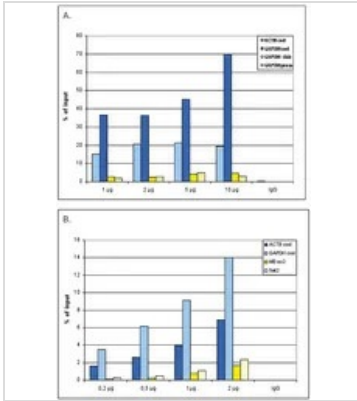
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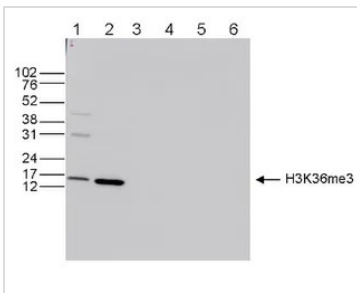
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**Note**

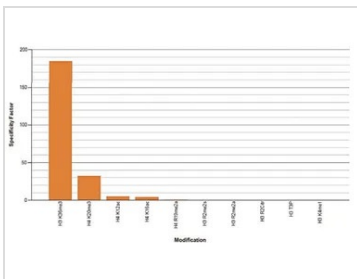
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**DATA IMAGES**

**GTx60817 ChIP assay Image**

ChIP analysis of sheared chromatin from  $10^6$  HeLa cells using GTx60817 Histone H3K36me3 (Tri-methyl 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-methyl 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-methyl 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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