Histone H3K9me3 (Tri-methyl Lys9) antibody - ChIP grade

Cat. No. GTX60824

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

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	1:250
Dot	1:20,000/1:5,000
ELISA	1:1,000
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	0.9 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	The region of histone H3 containing the trimethylated lysine 9 (H3K9me3), 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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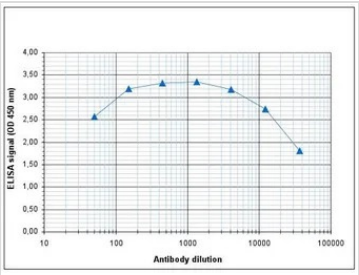
Note

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

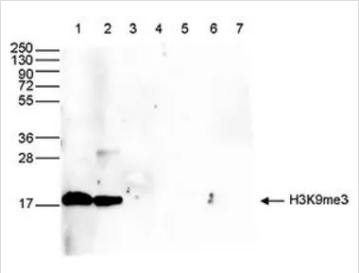
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



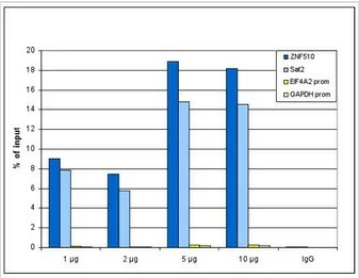
GTX60824 ELISA Image

ELISA analysis of peptide containing the histone modification of interest using GTX60824 Histone H3K9me3 (Tri-methyl Lys9) antibody - ChIP grade.



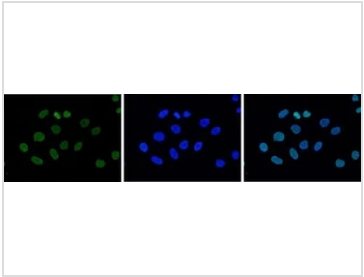
GTX60824 WB Image

WB analysis of whole cell (50 µg, lane 1) and histone extracts (15 µg, lane 2) from HeLa cells, and on 1 µg of recombinant histone H2A, H2B, H3.1, H3.2 and H4 (lane 3, 4, 5, 6 and 7, respectively) using GTX60824 Histone H3K9me3 (Tri-methyl Lys9) antibody - ChIP grade.
Dilution : 1:1,000



GTX60824 ChIP assay Image

ChIP analysis of sheared chromatin from 10^6 HeLa cells using GTX60824 Histone H3K9me3 (Tri-methyl Lys9) antibody - ChIP grade. A titration consisting of 1, 2, 5 and 10 µg of antibody per ChIP experiment was analyzed. IgG (2 µg/IP) was used as a negative IP control. Quantitative PCR was performed with primers specific for the promoter of the active genes GAPDH and EIF4A2, used as negative controls, and for ZNF510 and the Sat2 satellite repeat, used as positive controls. The figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).



GTX60824 ICC/IF Image

ICC/IF analysis of 4% paraformaldehyde fixed HeLa cells using GTX60824 Histone H3K9me3 (Tri-methyl Lys9) antibody - ChIP grade.
Green : Primary antibody
Blue : DAPI
Dilution : 1:250

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