Histone H3K9me2 (Di-methyl Lys9) antibody - ChIP grade

Cat. No. GTX60357

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, Dot, ELISA, ChIP assay
Reactivity	Human, Mouse, Arabidopsis thaliana, Rice, Xenopus, Tomato, Brassica napus

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
ELISA	1:1,000
ChIP assay	1-5 µg

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	1.15 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	The region of histone H3 containing the dimethylated lysine 9 (H3K9me2), using a KLH-conjugated synthetic peptide.
Purification	Purified by affinity chromatography
Conjugation	Unconjugated
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.

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

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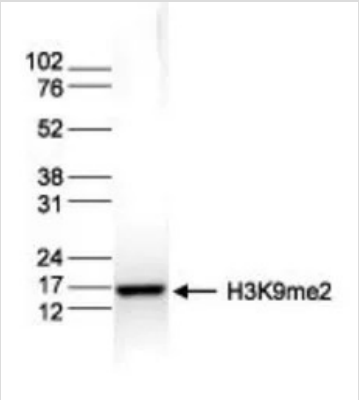
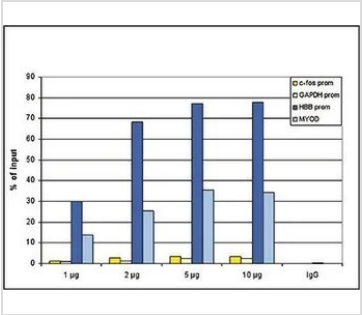
DATA IMAGES



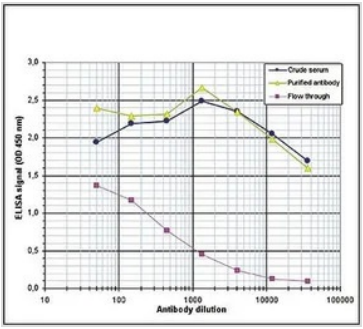
GTX60357 WB Image

WB analysis of histone extracts (15 µg) from HeLa cells using GTX60357 Histone H3K9me2 (Di-methyl Lys9) antibody - ChIP grade.
Dilution : 1:1,000



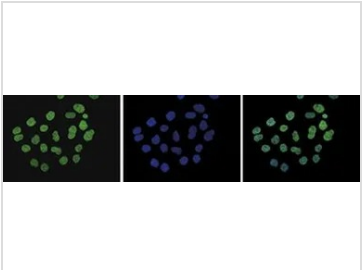
GTX60357 ChIP assay Image

ChIP analysis of sheared chromatin from 10^6 HeLa cells using GTX60357 Histone H3K9me2 (Di-methyl Lys9) antibody - ChIP grade. A titration of the antibody consisting of 1, 2, 5, and 10 µg per ChIP experiment was analysed. IgG (2 µg/IP) was used as negative IP control. QPCR was performed with primers specific for promoter of the inactive HBB gene and the coding region of the inactive MYOD gene, used as positive controls, and for the promoters of the active genes c-fos and GAPDH, 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).



GTX60357 ELISA Image

ELISA analysis of peptide containing the histone modification of interest using GTX60357 Histone H3K9me2 (Di-methyl Lys9) antibody - ChIP grade.



GTX60357 ICC/IF Image

ICC/IF analysis of 4% paraformaldehyde fixed NIH3T3 cells using GTX60357 Histone H3K9me2 (Di-methyl Lys9) antibody - ChIP grade.
Green : Primary antibody
Blue : DAPI
Dilution : 1:500

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