

Histone H3K27me2 (Di-methyl Lys27) antibody - ChIP grade

Cat. No. GTX60351

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application	WB, ICC/IF, Dot, ELISA, ChIP assay
Reactivity	Human, Zebrafish

Package
50 µg

APPLICATION

Application Note

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

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
Dot	Assay dependent
ELISA	Assay dependent
ChIP assay	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 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	2.63 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	The histone H3, dimethylated at lysine 27 (H3K27me2), using a KLH-conjugated synthetic peptide.
Purification	Purified by affinity chromatography
Conjugation	Unconjugated

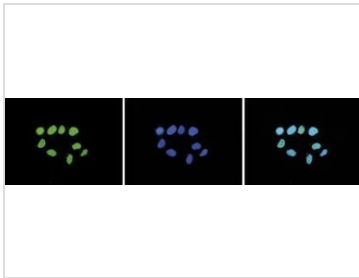
Note

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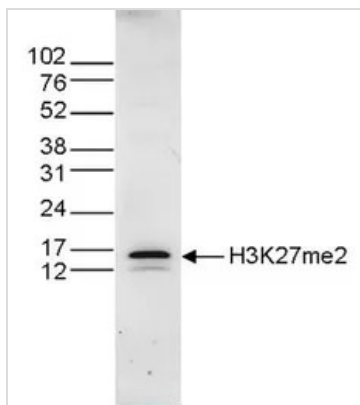
DATA IMAGES

GTx60351 ICC/IF Image

ICC/IF analysis of 4% paraformaldehyde fixed HeLa cells using GTx60351 Histone H3K27me2 (Di-methyl Lys27) antibody - ChIP grade.

Green : Primary antibody

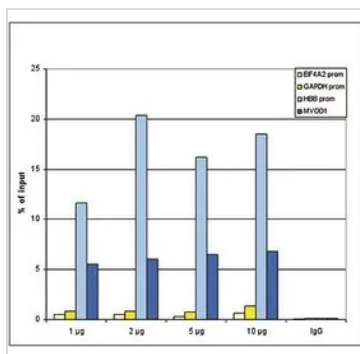
Blue : DAPI

Dilution : 1:500

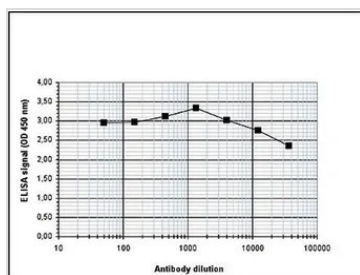

GTx60351 WB Image

WB analysis of histone extracts (15 µg) from HeLa cells using GTx60351 Histone H3K27me2 (Di-methyl Lys27) antibody - ChIP grade.

Dilution : 1:1,000


GTx60351 ChIP assay Image

ChIP analysis of sheared chromatin from 10^6 HeLa cells using GTx60351 Histone H3K27me2 (Di-methyl Lys27) 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 for the promoter of the active GAPDH and EIF4A2 genes, used as negative controls, and for the promoter of the inactive HBB and the coding region of the inactive MYOD1 genes, used as positive controls. This figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis). These results are in accordance with the observation that H3K27me2 is preferably present at silent genes.


GTx60351 ELISA Image

ELISA analysis of peptide containing the histone modification of interest using GTx60351 Histone H3K27me2 (Di-methyl Lys27) antibody - ChIP grade.



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