

Histone H3K79me2 (Di-methyl Lys79) antibody

Cat. No. GTX60330

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application	WB, Dot, ELISA, ChIP assay
Reactivity	Human

Package
50 µg

APPLICATION

Application Note

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

Suggested dilution	Recommended dilution
WB	1:200
Dot	1:5,000
ELISA	1:500
ChIP assay	1-2 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 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1.1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	The region of histone H3 containing the dimethylated lysine 79 (H3K79me2), using a KLH-conjugated synthetic peptide.
Purification	Purified by affinity chromatography
Conjugation	Unconjugated

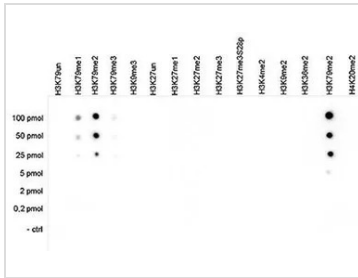
Note

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.

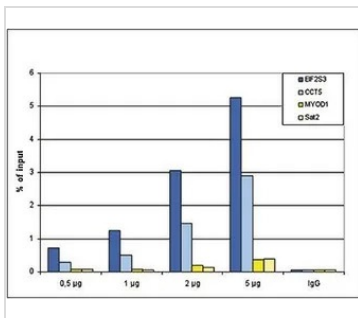


For full product information, images and publications, please visit our [website](#).

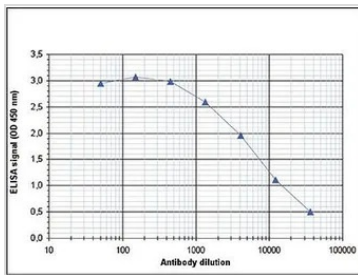
DATA IMAGES

GTx60330 Dot Image

Dot blot analysis of 0.2 - 100 pmol of the peptides containing other modifications and unmodified sequences of histone H3 using GTX60330 Histone H3K79me2 (Di-methyl Lys79) antibody.

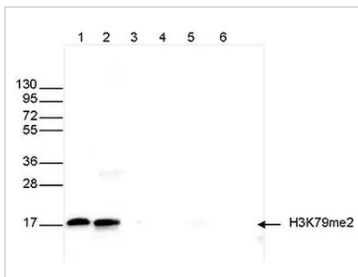
Dilution : 1:5,000


GTx60330 ChIP assay Image

ChIP analysis of sheared chromatin from 10^6 HeLa cells using GTX60330 Histone H3K79me2 (Di-methyl Lys79) antibody. A titration consisting of 0.5, 1, 2 and 5 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 specific for the coding regions of the active EIF2S3 and CCT5 genes, used as positive controls, and for the inactive MYO1 gene and the Sat2 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).


GTx60330 ELISA Image

ELISA analysis of peptide containing the histone modification of interest using GTX60330 Histone H3K79me2 (Di-methyl Lys79) antibody.


GTx60330 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 GTX60330 Histone H3K79me2 (Di-methyl Lys79) antibody.

Dilution : 1:200



For full product information, images and publications, please visit our [website](https://www.genetex.com).