

## Histone H3K79me3 (Tri-methyl Lys79) antibody - ChIP grade

**Cat. No. GTX60336**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, Dot, ELISA, ChIP assay
<b>Reactivity</b>	Human, Mouse

Package

50 µg

## Applications

**Application Note**

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

Suggested dilution	Recommended dilution
WB	1:1,000
Dot	1:100,000
ELISA	1:500
ChIP assay	1-5 µg

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>	0.6 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Histone H3 containing the trimethylated lysine 79 (H3K79me3), using a KLH-conjugated synthetic peptide.
<b>Purification</b>	Purified by affinity chromatography
<b>Conjugation</b>	Unconjugated

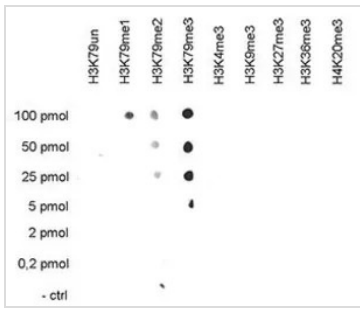
**Note**

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.

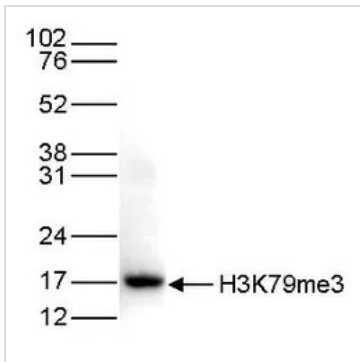
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DATA IMAGES



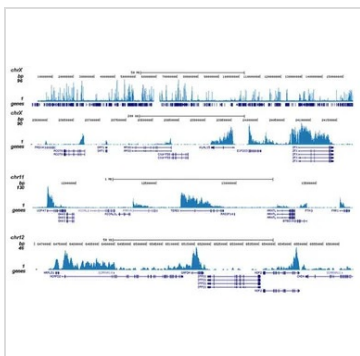
**GTX60336 Dot Image**

Dot blot analysis of 0.2 - 100 pmol of the peptides containing other histone modifications and the unmodified H3K79 using GTX60336 Histone H3K79me3 (Tri-methyl Lys79) antibody - ChIP grade. Dilution : 1:100,000



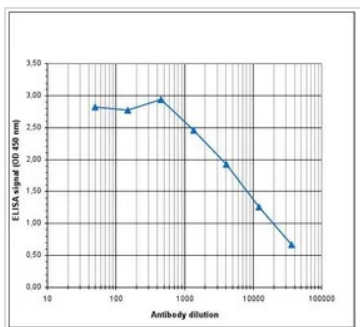
**GTX60336 WB Image**

WB analysis of histone extracts (15 µg) from HeLa cells using GTX60336 Histone H3K79me3 (Tri-methyl Lys79) antibody - ChIP grade. Dilution : 1:1,000



**GTX60336 ChIP assay Image**

ChIP analysis of sheared chromatin from 10<sup>6</sup> HeLaS3 cells using GTX60336 Histone H3K79me3 (Tri-methyl Lys79) antibody - ChIP grade. The IP'd DNA was analysed on an Illumina Genome Analyzer. Library preparation, cluster generation and sequencing were performed according to the manufacturer's instructions. The 36 bp tags were aligned to the human genome using the ELAND algorithm. Figure 2 shows the peak distribution along the complete sequence and a 600 kb region of the X-chromosome (figure 2A and B), in a 2 Mb region from chromosome 11 (figure 2C), and in a 100 kb region surrounding the GAPDH positive control gene (figure 2D). Antibody amount : 1µg



**GTX60336 ELISA Image**

ELISA analysis of peptide containing the histone modification of interest using GTX60336 Histone H3K79me3 (Tri-methyl Lys79) antibody - ChIP grade.



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