

## Histone H3K9me3 (Tri-methyl Lys9) antibody

Cat. No. GTX121677

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IP, ChIP assay, EM
Reactivity	Human, Mouse, Rat, Dog

References ( 9 )

★★★★★ Review ( 2 )

Package

100 µl, 25 µl

## Applications

## Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IP	1:100-1:1000
ChIP assay	Assay dependent
EM	Assay dependent

Not tested in other applications.

## Properties

Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% 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	0.2 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide surrounding tri-methyl Lys9 of human Histone H3. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

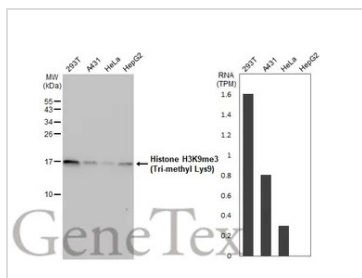
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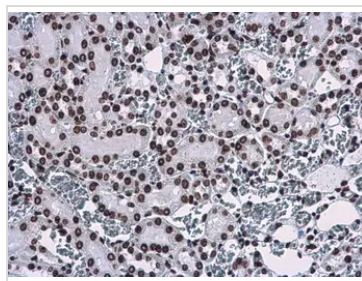
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**DATA IMAGES**

**GTX121677 WB Image**

Various whole cell extracts (30 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with Histone H3K9me3 (Tri-methyl Lys9) antibody (GTX121677) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.

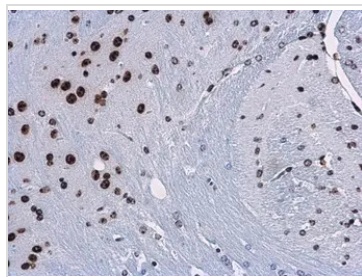

**GTX121677 IHC-P Image**

Histone H3K9me3 (trimethyl Lys9) antibody detects Histone H3K9me3 (trimethyl Lys9) protein at nucleus in rat kidney by immunohistochemical analysis.

Sample: Paraffin-embedded rat kidney.

Histone H3K9me3 (trimethyl Lys9) antibody (GTX121677) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

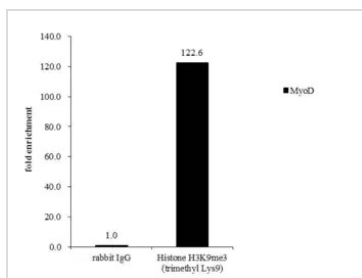

**GTX121677 IHC-P Image**

Histone H3K9me3 (trimethyl Lys9) antibody detects Histone H3K9me3 (trimethyl Lys9) protein at nucleus in mouse brain by immunohistochemical analysis.

Sample: Paraffin-embedded mouse brain.

Histone H3K9me3 (trimethyl Lys9) antibody (GTX121677) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


**GTX121677 ChIP assay Image**

Cross-linked ChIP was performed with HepG2 chromatin extract and 5 µg of either normal rabbit IgG or anti-Histone H3K9me3 (trimethyl Lys9) antibody. The precipitated DNA was detected by PCR with primer set targeting to MyoD.



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