

Histone H3K27me3 (Tri-methyl Lys27) antibody [RM175]

Cat. No. GTX60892

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF, ELISA, ChIP assay, ChIP-seq, IHC
Reactivity	Human, Mouse

References (9)

Package

100 µg

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1 µg/mL - 2 µg/mL
ICC/IF	Assay dependent
ELISA	0.5µg/mL - 1 µg/mL
ChIP assay	Assay dependent
ChIP-seq	Assay dependent
IHC	0.5 µg/mL - 2 µg/mL

Not tested in other applications.

Product Note

This antibody reacts to Histone H3 trimethylated at Lysine 27 (K27me3). No cross reactivity non-modified Lysine 27, monomethylated Lysine 27 (K27me1) or dimethylated Lysine 27 (K27me2), or other methylations in histone H3.

Properties

Form	Liquid
Buffer	PBS, 1% BSA, 50% Glycerol
Preservative	0.09% Sodium azide
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	Batch dependent (Please refer to the vial label for the specific concentration.)
Immunogen	A trimethyl-peptide corresponding to trimethyl-Histone H3 (Lys27).
Purification	Protein A purified From tissue culture supernatant
Conjugation	Unconjugated



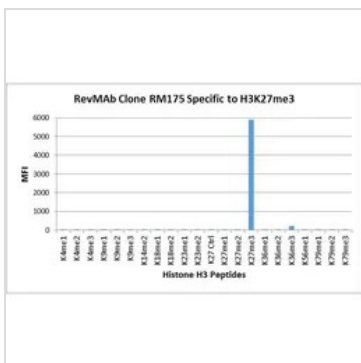
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Note

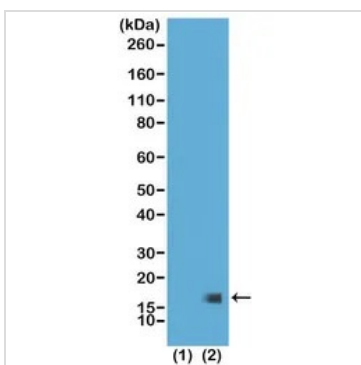
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DATA IMAGES



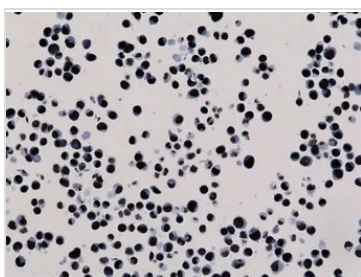
GTX60892 Image

The GTX60892 reacts to Histone H3 trimethylated at Lysine 27 (K27me3). No cross reactivity with non-modified Lysine 27 (K27 Ctrl), monomethylated Lysine 27 (K27me1) or dimethylated Lysine 27 (K27me2), or other methylations in Histone H3.



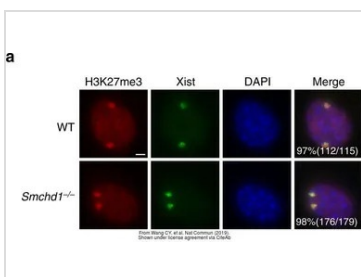
GTX60892 WB Image

WB analysis of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2) using GTX60892 Histone H3K27me3 (Tri-methyl Lys27) antibody [RM175].
Dilution : 1µg/ml



GTX60892 ICC/IF Image

ICC/IF analysis of HepG2 cells using GTX60892 Histone H3K27me3 (Tri-methyl Lys27) antibody [RM175].



GTX60892 ICC/IF Image

The data was published in the journal Nat Commun in 2019. [PMID: 31270318](https://pubmed.ncbi.nlm.nih.gov/31270318/)



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