

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

Cat. No. GTX60892

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

Reference ( 7 )

Package

100 µg

## APPLICATION

## 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<br>From tissue culture supernatant  |
| Conjugation   | Unconjugated   |



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

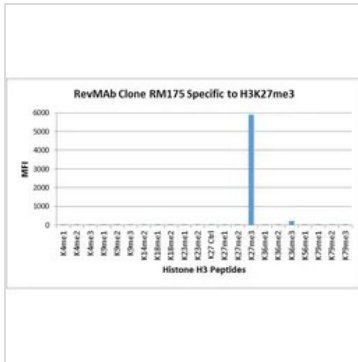
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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

#### Note

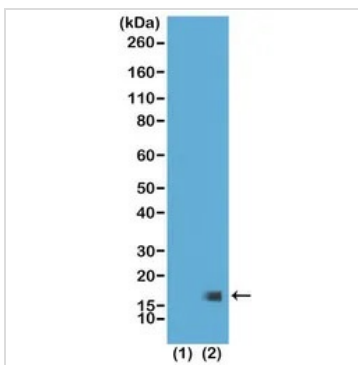
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

#### DATA IMAGES



#### GTx60892 Image

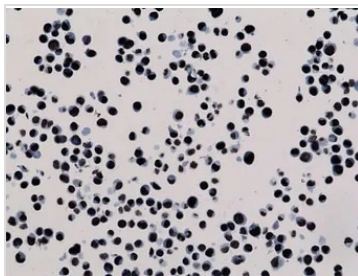
The GTx60892 reacts to Histone H3 trimethylated at Lysine 27 (K27me3). No cross reactivity with non-modified Lysine 27 (K27 Ctrl), monomethylated Lysine 27 (K27me1) or dimethylated Lysine 27 (K27me2), or other methylations in Histone H3.



#### GTx60892 WB Image

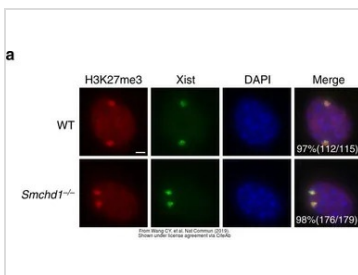
WB analysis of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2) using GTx60892 Histone H3K27me3 (Tri-methyl Lys27) antibody [RM175].

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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