

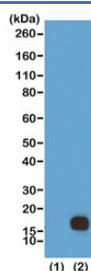
## Recombinant H3K9me2 Antibody [clone RM151] (R20211)

Catalog No.	Formulation	Size
R20211-100UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ug
R20211-25UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	25 ug

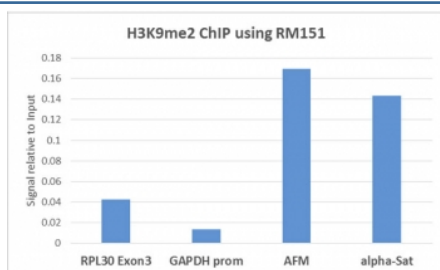
Recombinant **RABBIT MONOCLONAL**

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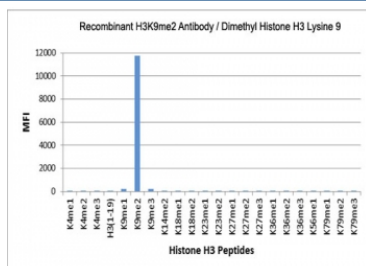
Availability	1-3 business days
Species Reactivity	All Species
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM151
Purity	Protein A purified from animal origin-free supernatant
UniProt	P84243
Gene ID	8350
Applications	Western Blot : 0.25-1ug/ml ChIP : 2-10ug/mg of lysate Immunocytochemistry : 0.5-2ug/ml ELISA : 0.2-1ug/ml
Limitations	This recombinant H3K9me2 antibody is available for research use only.



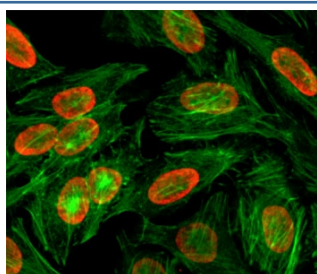
Western blot of recombinant Histone H3.3 (1) and acid extracts of HeLa cells (2) using recombinant H3K9me2 antibody at 0.5 ug/ml showed a band of Histone H3 dimethylated at Lysine 9 (K9me2) in HeLa cells.



ChIP performed on HeLa cells using recombinant H3K9me2 antibody (5ug). Real-time PCR was performed using primers specific to the gene indicated.



The recombinant H3K9me2 antibody specifically reacts to Histone H3 dimethylated at Lysine 9 (K9me2). No cross reactivity with non-modified (H3 1-19), monomethylated (K9me1) or trimethylated Lysine 9 (K9me3), or other methylations in Histone H3.



ICC/IF test of HeLa cells treated with sodium butyrate using recombinant H3K9me2 antibody (red). Actin filaments have been labeled with fluorescein phalloidin (green).

## Description

This recombinant H3K9me2 antibody reacts to Histone H3 dimethylated at Lysine 9 (K9me2). No cross reactivity with monomethylated (K9me1) or trimethylated Lysine 9 (K9me3), or other methylation in Histone H3.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant H3K9me2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A dimethyl-peptide corresponding to Dimethyl-Histone H3 (Lys9) was used as the immunogen for this recombinant H3K9me2 antibody.

## Storage

Store the recombinant H3K9me2 antibody at -20oC (with glycerol) or aliquot and store at -20oC (without glycerol).

