

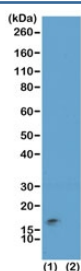
## Recombinant H3K9me3/S10p Antibody [clone RM162] (R20236)

Catalog No.	Formulation	Size
R20236-100UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ug
R20236-25UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	25 ug

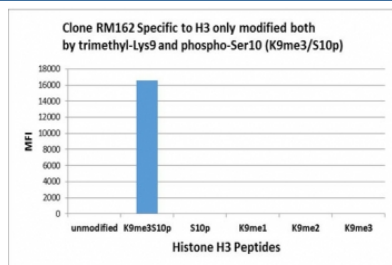
Recombinant **RABBIT MONOCLONAL**

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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	RM162
Purity	Protein A purified from animal origin-free supernatant
UniProt	P84243
Gene ID	8350
Applications	Western Blot : 0.01ug/ml-1ug/ml ELISA : 0.01ug/ml-0.5ug/ml
Limitations	This recombinant H3K9me3/S10p antibody is available for research use only.



Western blot test of acid extracts of HeLa cells (1) and recombinant Histone H3.3 (2), using recombinant H3K9me3/S10p antibody at 0.01 ug/ml, showed a band of Histone H3 modified by both trimethylation at Lysine 9 and phosphorylation at Serine 10 (K9me3/S10p) in HeLa cells.



This recombinant H3K9me3/S10p antibody specifically reacts to Histone H3 only when modified by both trimethylation at Lysine 9 and phosphorylation at Serine 10 (K9me3/S10p). No cross reactivity with non-modified Lysine 9/ Serine 10, methylated Lysine 9 ONLY, or phospho-Serine 9 ONLY in Histone H3.

## Description

This recombinant H3K9me3/S10p antibody reacts to Histone H3 only when modified at both trimethyl Lysine 9 and phospho Serine 10 (K9me3/S10p).

## Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant H3K9me3/S10p antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A trimethyl-phospho-peptide corresponding to Trimethyl- Phospho-Histone H3 (Lys9/Ser10) was used as the immunogen for this recombinant H3K9me3/S10p antibody.

## Storage

Store the recombinant H3K9me3/S10p antibody at -20oC (with glycerol) or aliquot and store at -20oC (without glycerol).