

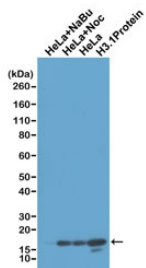
Recombinant Histone H3 Antibody [clone RM186] (R20228)

Catalog No.	Formulation	Size
R20228-100UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ug
R20228-25UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	25 ug

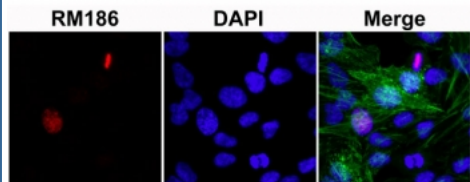
Recombinant **RABBIT MONOCLONAL**

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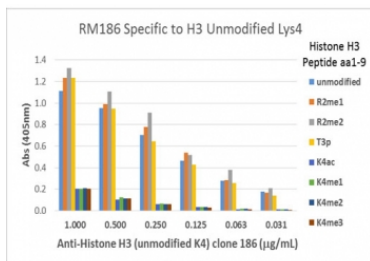
Availability	1-3 business days
Species Reactivity	All Species
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM186
Purity	Protein A purified from animal origin-free supernatant
UniProt	Q16695
Gene ID	8350
Applications	Western Blot : 1-2ug/ml ELISA : 0.5-1ug/ml Immunocytochemistry : 0.5-2ug/ml
Limitations	This recombinant Histone H3 antibody is available for research use only.



Western blot test of acid extracts of HeLa cells treated with sodium butyrate (HeLa+NaBu), treated and untreated with Nocodazole, and recombinant Histone H3.1 protein, using recombinant Histone H3 antibody at 1 ug/ml, showed a band of Histone H3 with unmodified Lys4.



ICC/IF staining of HeLa cells treated with sodium butyrate using recombinant Histone H3 antibody (red). Actin filaments have been labeled with fluorescein phalloidin (green).



This recombinant Histone H3 antibody specifically recognizes Histone H3 unmodified at Lys4 and does not recognize acetylated, monomethylated, dimethylated, or trimethylated Lys4. The mAb binding specificity allows for modifications of Arg2 or Thr3 in Histone H3.

Description

This recombinant Histone H3 antibody recognizes Histone H3 that is unmodified at Lys4 but does not recognize acetylated or methylated Lys4. The recombinant Histone H3 antibody binding specificity allows for modifications of Arg2, Thr3, and/or other modifications in Histone H3.

Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant Histone H3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An unmodified peptide corresponding to the N-terminus of Histone H3 was used as the immunogen for this recombinant Histone H3 antibody.

Storage

Store the recombinant Histone H3 antibody at -20oC (with glycerol) or aliquot and store at -20oC (without glycerol).