

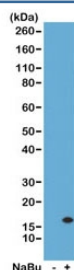
Recombinant H3K14ac Antibody [clone RM130] (R20199)

Catalog No.	Formulation	Size
R20199-100UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ug
R20199-25UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	25 ug

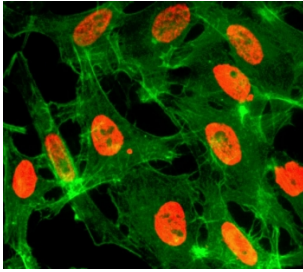
Recombinant **RABBIT MONOCLONAL**

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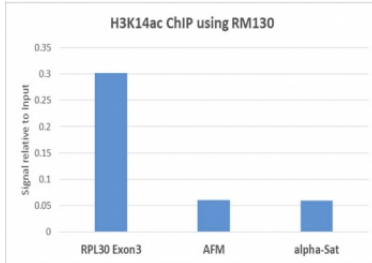
Availability	1-3 business days
Species Reactivity	All Species
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM130
Purity	Protein A purified from animal origin-free supernatant
UniProt	P84243
Gene ID	8350
Applications	Western Blot : 0.5-2ug/ml Immunocytochemistry : 0.5-2ug/ml ChIP : 2-10ug/mg of lysate ELISA : 0.2-1ug/ml
Limitations	This recombinant H3K14ac antibody is available for research use only.



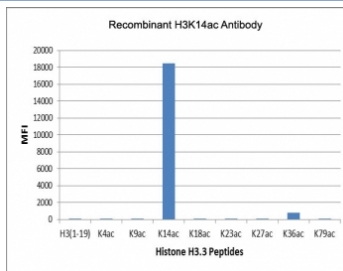
Western Blot of acid extracts from human HeLa cells untreated (-) or treated (+) with sodium butyrate using the recombinant H3K14ac antibody at 0.5 ug/ml.



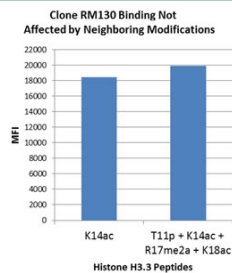
ICC testing of human HeLa cells treated with sodium butyrate using recombinant H3K14ac antibody (red). Actin filaments have been labeled with fluorescein phalloidin (green).



ChIP performed on HeLa cells using the recombinant H3K14ac antibody (5ug). Real-time PCR was performed using primers specific to the gene indicated.



The recombinant H3K14ac antibody specifically reacts to Histone H3 acetylated at Lysine 14 (K14ac). No cross reactivity with acetylated Lysine 4 (K4ac), 9 (K9ac), 18 (K18ac), 23 (K23ac), 27 (K27ac), 36 (K36ac), or 79 (K79ac) in Histone H3.



The binding specificity of recombinant H3K14ac antibody to Histone H3 acetylated at Lysine 14 (K14ac) is not affected by the modification of neighboring amino acids.

Description

This recombinant H3K14ac antibody reacts to Histone H3 acetylated at Lysine 14 (K14ac), which is not affected by the modification of neighboring amino acids. No cross reactivity with acetylated Lysine 4 (K4ac), 9 (K9ac), 18 (K18ac), 23 (K23ac), 27 (K27ac), 36 (K36ac), or 79 (K79ac) in histone H3.

Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant H3K14ac antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An acetyl-peptide corresponding to Acetyl-Histone H3 (Lys14) was used as the immunogen for this recombinant H3K14ac antibody.

Storage

Store the recombinant H3K14ac antibody at -20oC (with glycerol) or aliquot and store at -20oC (without glycerol).

