

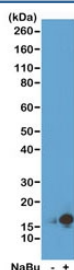
Recombinant H3K9ac Antibody [clone RM161] (R20208)

Catalog No.	Formulation	Size
R20208-100UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ug
R20208-25UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	25 ug

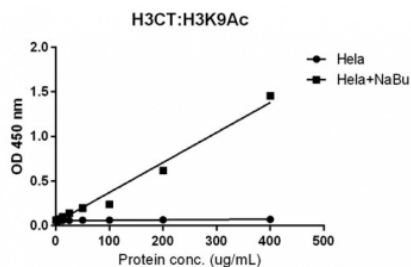
Recombinant **RABBIT MONOCLONAL**

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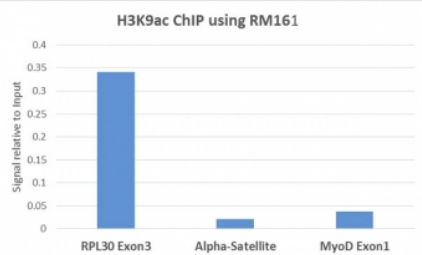
Availability	1-3 business days
Species Reactivity	All Species
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM161
Purity	Protein A purified from animal origin-free supernatant
UniProt	P84243
Gene ID	8350
Applications	Western Blot : 0.25-1ug/ml Immunocytochemistry : 0.5-2ug/ml ChIP : 2ug/ml-10ug/mg of lysate Immunohistochemistry : 0.1-1ug/ml (1) ELISA : 0.5-1ug/ml
Limitations	This recombinant H3K9ac antibody is available for research use only.



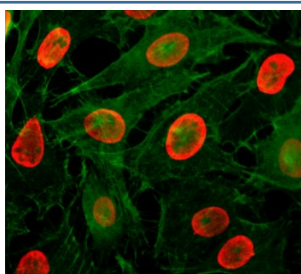
Western blot of acid extracts from HeLa cells untreated (-) or treated (+) with sodium butyrate using recombinant H3K9ac antibody at 0.25 ug/ml showed a band of Histone H3 acetylated at Lysine 9 in treated HeLa cells.



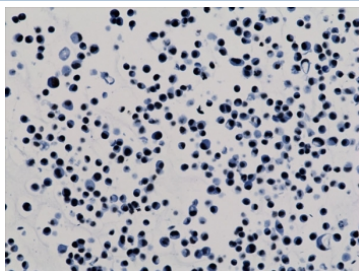
Sandwich ELISA with acetylated Histone H3 at Lys 9 using HeLa whole cell lysate, treated or untreated with sodium butyrate, <a href=



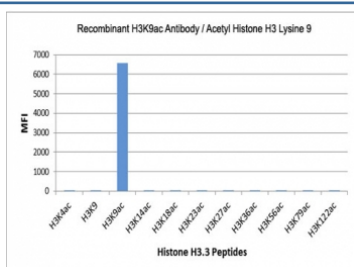
ChIP performed on HeLa cells using recombinant H3K9ac antibody (5ug). Real-time PCR was performed using primers specific to the gene indicated.



ICC/IF testing of HeLa cells treated with sodium butyrate using recombinant H3K9ac antibody (red). Actin filaments have been labeled with fluorescein phalloidin (green).



ICC testing of human HepG2 cells with recombinant H3K9ac antibody.



The recombinant H3K9ac antibody specifically reacts to Histone H3 acetylated at Lysine 9 (K9ac). No cross reactivity with acetylated Lysine 4/14/18/23/27/36/56/79/122 in Histone H3.

Description

This recombinant H3K9ac antibody reacts to Histone H3 acetylated at Lysine 9 (K9ac). No cross reactivity with other acetylated Lysines in histone H3.

Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant H3K9ac antibody may be required due to differences in protocols and secondary/substrate sensitivity.

1. A pH6 Citrate buffer or pH9 Tris/EDTA buffer HIER step is recommended for testing of FFPE tissue sections.

Immunogen

An acetyl-peptide corresponding to the Acetyl-Histone H3 (Lys9) was used as the immunogen for this recombinant H3K9ac antibody.

Storage

Store the recombinant H3K9ac antibody at -20oC (with glycerol) or aliquot and store at -20oC (without glycerol).