

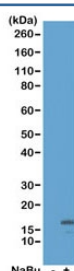
## Recombinant H3K18ac Antibody [clone RM166] (R20209)

Catalog No.	Formulation	Size
R20209-100UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ug
R20209-25UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	25 ug

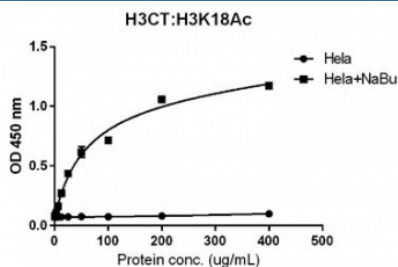
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

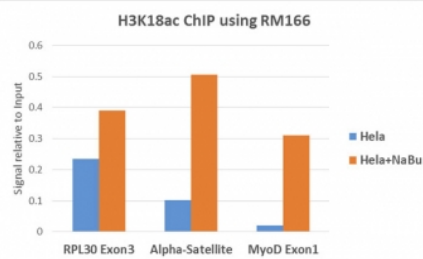
Availability	1-3 business days
Species Reactivity	All Species
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM166
Purity	Protein A purified from animal origin-free supernatant
UniProt	P84243
Gene ID	8350
Applications	Western Blot : 0.5-2ug/ml Immunocytochemistry : 0.5-2ug/ml ChIP : 2ug/ml-10ug/mg of lysate Immunohistochemistry : 1-10ug/ml (1) ELISA : 0.2-1ug/ml
Limitations	This recombinant H3K18ac antibody is available for research use only.



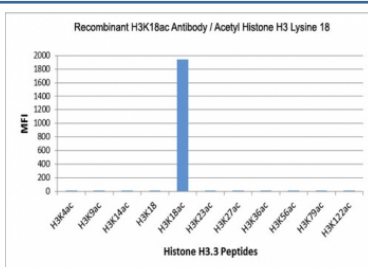
Western blot of acid extracts from HeLa cells untreated (-) or treated (+) with sodium butyrate using recombinant H3K18ac antibody at 0.5 ug/mL showed a band of Histone H3 acetylated at Lysine 18 in treated HeLa cells.



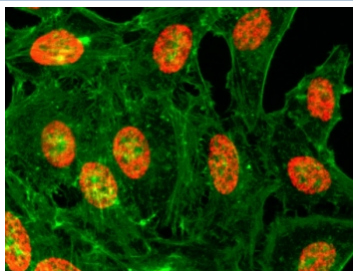
Sandwich ELISA with acetylated Histone H3 at Lys 18 using human HeLa cell lysate, treated or untreated with sodium butyrate, using [anti-Histone H3CT \(RM188, 1 ug/ml\)](http://www.abcam.com/anti-Histone-H3CT-(RM188)-antibody.html) as the capture and biotinylated recombinant H3K18ac antibody (RM166, 2 ug/ml) as the detect.



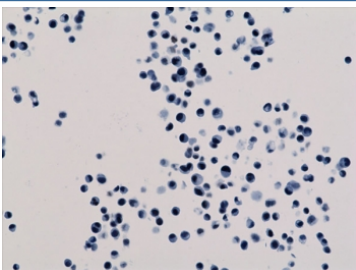
ChIP performed on HeLa cells with or without sodium butyrate treatment using recombinant H3K18ac antibody (5ug). Real-time PCR was performed using primers specific to the gene indicated.



The recombinant H3K18ac antibody specifically reacts to Histone H3 acetylated at Lysine 18 (K18ac). No cross reactivity with acetylated 4 (K4ac), 9 (K9ac), 14 (K14ac), 23 (K23ac), 27 (K27ac), 36 (K36ac), 56 (K56ac), 79 (K79ac), or 122 (K122) in Histone H3.



ICC/IF test of HeLa cells treated with sodium butyrate using recombinant H3K18ac antibody (red). Actin filaments have been labeled with fluorescein phalloidin (green).



ICC staining of human HepG2 cells using recombinant H3K18ac antibody.

## Description

This recombinant H3K18ac antibody reacts to Histone H3 acetylated at Lysine 18 (K18ac). No cross reactivity with other acetylated Lysines in histone H3.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant H3K18ac 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 (Lys18) was used as the immunogen for this recombinant H3K18ac antibody.

## Storage

Store the recombinant H3K18ac antibody at -20oC (with glycerol) or aliquot and store at -20oC (without glycerol).