

Rabbit Anti-H3K9ac

Catalogue no:	700024	Source:	Rabbit
Applications:	ChIP, WB, Dot IHC, ICC, ELISA	Type:	Monoclonal
Concentration:	1mg/ml	Purification:	Protein A (affinity purified)
Size:	100µl	Storage:	-20°C
Specificity:	Human, vertebrates. No cross reactivity with other acetylated Lysines in histone H3.		



Background

Histone H3K9ac is a histone mark associated with active promoters. Acetylation of H3 at lysine 9 near transcription start sites is related to activation of transcription.

Immunogen

An acetyl-peptide corresponding to Acetyl-Histone H3 (Lys9).

Buffer

50% Glycerol/PBS with 1% BSA and 0.09% sodium azide

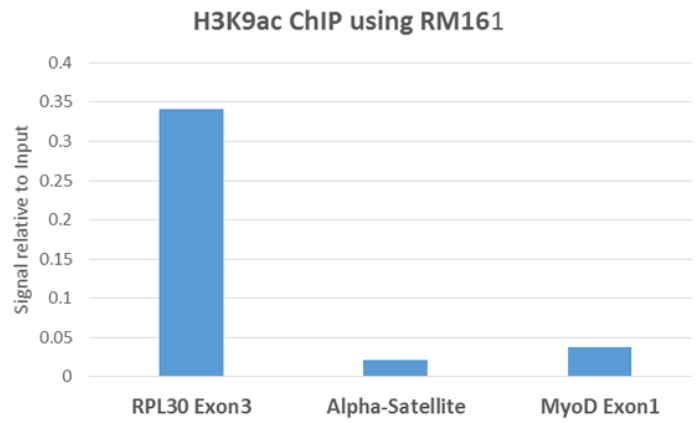
Applications

Application	Suggested Dilution	Figure
Chromatin Immunoprecipitation	2µg: 1µg (antibody: chromatin)	1
Western blot	0.25µg/ml-1µg/ml	
Immunohistochemistry	0.1µg/ml-1µg/ml	
ELISA	0.2-1µg/ml	

*This product is for research use only. Results may vary between antibody lots.

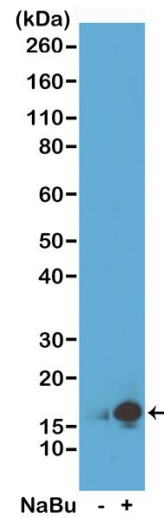
Chromatin immunoprecipitation (ChIP) assays were performed using the Chromatrap® Protein A ChIP -seq kit (Cat no. 500189) with 1ug of chromatin from Hec50 cells and 2ug of Anti-H3K9ac antibody. qPCR was used to analyse the enrichment of H3K9ac onto the positive and negative gene loci.

Figure 1. H3K9ac ChIP qPCR



Western Blot of acid extracts from HeLa cells untreated (-) or treated with sodium butyrate (+), using RM161 at 0.25 ug/mL, showed a band of histone H3 acetylated at Lysine 9 in treated HeLa.

Figure 2. H3K9me3 Western Blot



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