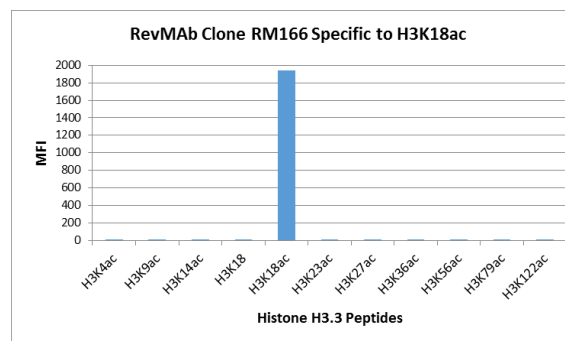
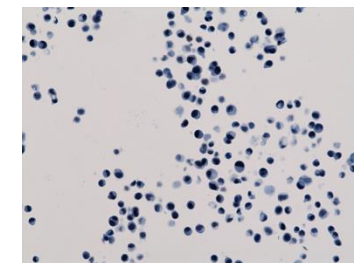


Certificate of Analysis

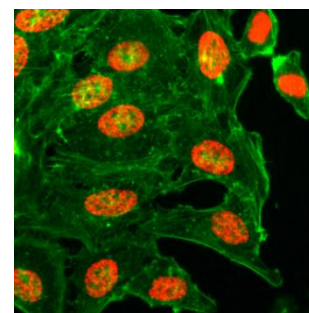
Product:	Rabbit Monoclonal Antibody
	Anti-Acetyl-Histone H3 (Lys18) Rabbit Monoclonal Antibody, Clone RM166
Catalog No.:	31-1055-00
Lot No.:	
Clone	RM166
Specificity	This antibody reacts to Histone H3 acetylated at Lysine 18 (K18ac). No cross reactivity with other acetylated Lysines in histone H3.
Application:	Western Blot, , Chromatin IP, Immunocytochemistry, ELISA, Multiplex, Immunohistochemistry
Immunogen:	An acetyl-peptide corresponding to Acetyl-Histone H3 (Lys18).
Purity:	Protein A affinity purified from an animal origin-free culture supernatant
Size:	100 µg
Concentration:	1.0 mg/mL
Buffer:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Usage:	WB: 0.5 µg/mL - 2 µg/mL; ICC: 0.5 µg/mL - 2 µg/mL; ChIP: 2 µg/mL - 10 µg/mL; ELISA: 0.5 µg/mL - 2 µg/mL; Multiplex: 0.1 µg/mL – 0.5 µg/mL; IHC: 1 µg/mL - 10 µg/mL.
Storage and Stability:	Stable for 1 Year at -20.0°C from date of receipt.
Country of Origin:	U.S.A.
Intended Use:	For Research Use Only Not for Diagnostic or Therapeutic Use



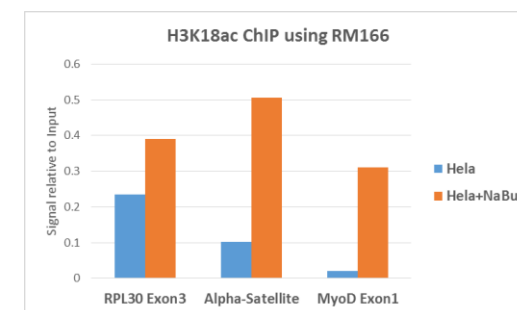
RM166 specifically reacts to Histone H3 acetylated at Lysine 18 (K18ac). No cross reactivity with acetylated Lysine 4 (K4ac), Lysine 9 (K9ac), Lysine 14 (K14ac), Lysine 23 (K23ac), Lysine 27 (K27ac), Lysine 36 (K36ac), Lysine 56 (K56ac), lysine 79 (K79ac), or Lysine 122 (K122) in histone H3.



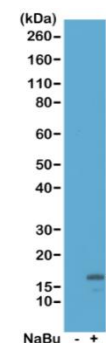
Immunohistochemistry staining of HepG2 cells using anti-Acetyl-Histone H3 (Lys18) antibody, RM166.



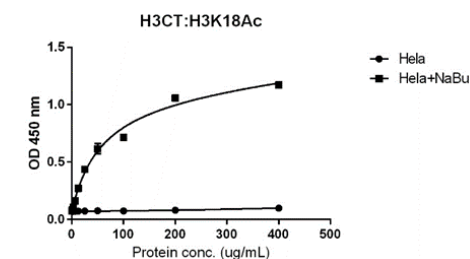
Immunocytochemistry of HeLa cells treated with sodium butyrate, using Acetyl-Histone H3 (Lys18) Rabbit mAb RM166 (red). Actin filaments have been labeled with fluorescein phalloidin



ChIP performed on HeLa cells with or without Sodium Butyrate treatment, using H3K18ac antibody (RM166, 5µg). Real-time PCR was performed using primers specific to the gene indicated.



Western Blot of acid extracts from HeLa cells untreated (-) or treated (+) with sodium butyrate, using RM166 at 0.5 µg/mL.



Sandwich ELISA against acetylated histone H3 at Lys 18 using HeLa whole cell lysate, treated or untreated with Sodium Butyrate. Using anti-H3CT (RM188, 1 µg/mL) as the capture antibody and biotinylated anti-H3K18ac (RM166, 2 µg/mL) as the detection antibody.