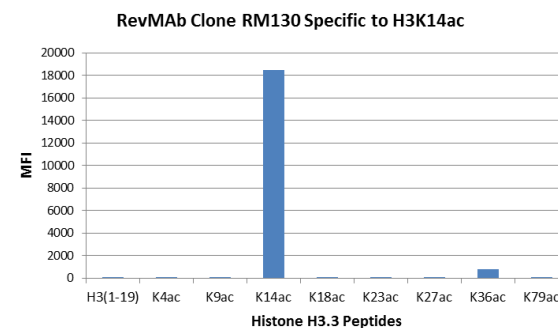
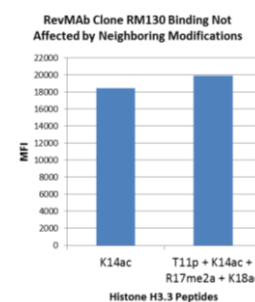


Certificate of Analysis

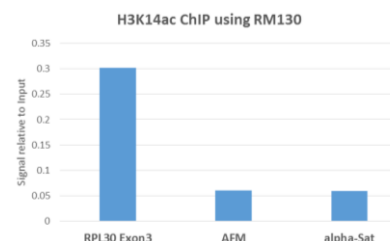
Product:	Rabbit Monoclonal Antibody Anti-Acetyl-Histone H3 (Lys14) Rabbit Monoclonal Antibody, Clone RM130
Catalog No.:	31-1032-00
Lot No.:	R-11-01804
Clone	RM130
Specificity	This antibody reacts to Histone H3 acetylated at Lysine 14 (K14ac), and is not affected by the modification of neighboring amino acids. No cross reactivity with acetylated Lysine 4 (K4ac), Lysine 9 (K9ac), Lysine 18 (K18ac), Lysine 23 (K23ac), Lysine 27 (K27ac), Lysine 36 (K36ac), or lysine 79 (K79ac) in histone H3.
Application:	Western Blot, Chromatin IP, Immunocytochemistry, ELISA, Multiplex
Immunogen:	An acetyl-peptide corresponding to Acetyl-Histone H3 (Lys14).
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: 0.2 µg/mL - 1 µg/mL; Multiplex: 0.1 µg/mL - 0.5 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



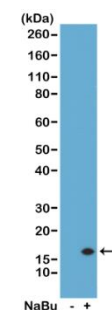
RM130 specifically reacts to Histone H3 acetylated at Lysine 14 (K14ac). No cross reactivity with acetylated Lysine 4 (K4ac), Lysine 9 (K9ac), Lysine 18 (K18ac), Lysine 23 (K23ac), Lysine 27 (K27ac), Lysine 36 (K36ac), or lysine 79 (K79ac) in histone H3.



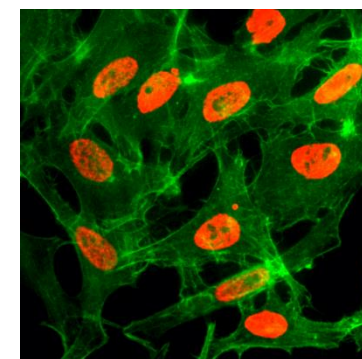
The binding specificity of RM130 to Histone H3 acetylated at Lysine 14 (K14ac) is not affected by the modification of neighboring amino acids.



ChIP performed on HeLa cells using H3K14ac antibody (RM130, 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 (+) or, using RM130 at 0.5 µg/mL.



Immunocytochemistry of HeLa cells treated with sodium butyrate, using Acetyl-Histone H3 (Lys14) Rabbit mAb RM130 (red). Actin filaments have been labeled with fluorescein phalloidin (green).