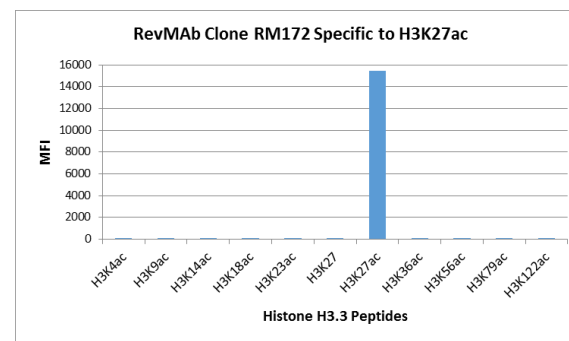
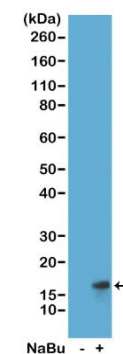


Certificate of Analysis

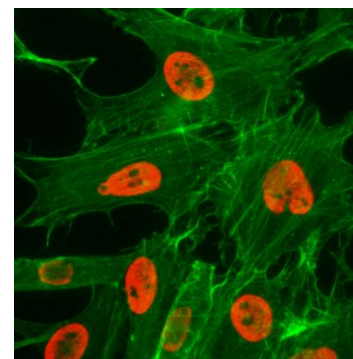
Product:	Rabbit Monoclonal Antibody Anti-Acetyl-Histone H3 (Lys27) Rabbit Monoclonal Antibody, Clone RM172
Catalog No.:	31-1056-00
Lot No.:	
Clone	RM172
Specificity	This antibody reacts to Histone H3 acetylated at Lysine 27 (K27ac). No cross reactivity with other acetylated Lysines in histone H3.
Application:	Western Blot, Immunocytochemistry, ELISA, Multiplex
Immunogen:	An acetyl-peptide corresponding to Acetyl-Histone H3 (Lys27).
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; 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



RM172 specifically reacts to Histone H3 acetylated at Lysine 27 (K27ac). No cross reactivity with acetylated Lysine 4 (K4ac), Lysine 9 (K9ac), Lysine 14 (K14ac), Lysine 18 (K18ac), Lysine 23 (K23ac), Lysine 36 (K36ac), Lysine 56 (K56ac), lysine 79 (K79ac), or Lysine 122 (K122) in histone H3.



Western Blot of acid extracts from HeLa cells untreated (-) or treated (+) with sodium butyrate, using RM172 at 1 µg/mL, showed a band of histone H3 acetylated at Lysine 27 in treated HeLa.



Immunocytochemistry of HeLa cells treated with sodium butyrate, using Acetyl-Histone H3 (Lys27) Rabbit mAb RM172 (red). Actin filaments have been labeled with fluorescein phalloidin (green).