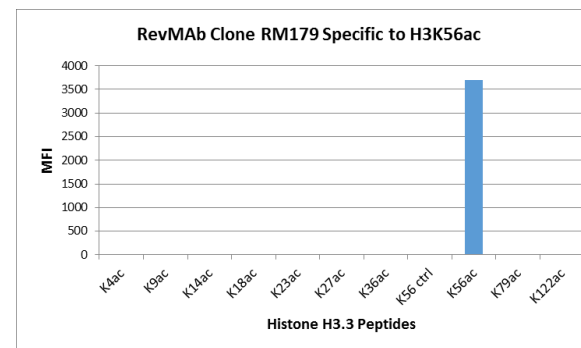
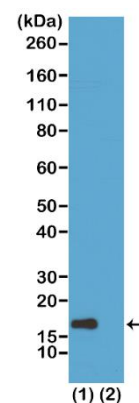


Certificate of Analysis

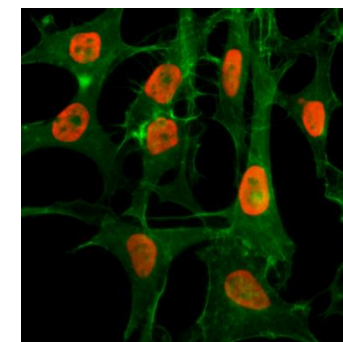
Product:	Rabbit Monoclonal Antibody Anti-Acetyl-Histone H3 (Lys56) Rabbit Monoclonal Antibody, Clone RM179
Catalog No.:	31-1078-00
Lot No.:	
Clone	RM179
Specificity	This antibody reacts to Histone H3 acetylated at Lysine 56 (K56ac). No cross reactivity with other acetylated Lysines in histone H3.
Application:	Western Blot, Immunocytochemistry, ELISA, Multiplex, Immunohistochemistry
Immunogen:	An acetyl-peptide corresponding to Acetyl-Histone H3 (Lys56).
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: 1 µg/mL - 2 µg/mL; ICC: 0.5µg/mL - 2 µg/mL; ELISA: 0.5 µg/mL - 1 µg/mL; Multiplex: 0.5 µg/mL – 2 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



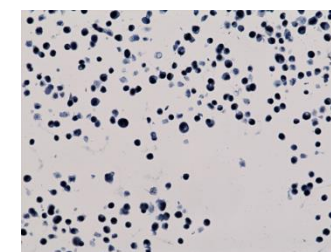
RM179 specifically reacts to Histone H3 acetylated at Lysine 56 (K56ac). No cross reactivity with unmodified Lysine 56 (K56 ctrl), acetylated Lysine 4 (K4ac), Lysine 9 (K9ac), Lysine 14 (K14ac), Lysine 18 (K18ac), Lysine 23 (K23ac), Lysine 27 (K27ac), Lysine 36 (K36ac), lysine 79 (K79ac), or Lysine 122 (K122) in histone H3.



Western Blot of (1) acid extracts of HeLa cells treated with sodium butyrate and (2) recombinant histone H3.3, using RM179 at 1 µg/mL, showed a band of histone H3 acetylated at Lysine 56 in treated HeLa.



Immunocytochemistry of HeLa cells treated with sodium butyrate, using Acetyl-Histone H3 (Lys56) Rabbit mAb RM179 (red). Actin filaments have been labeled with fluorescein phalloidin (green).



Immunohistochemistry staining of HepG2 cells using anti-Acetyl-Histone H3 (Lys56) antibody, RM179.