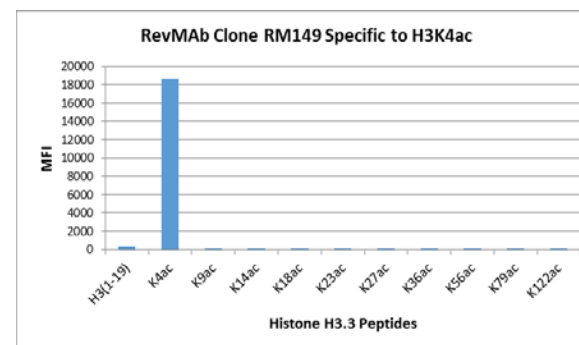
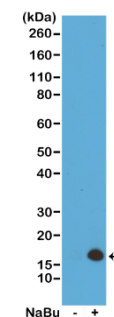


## Certificate of Analysis

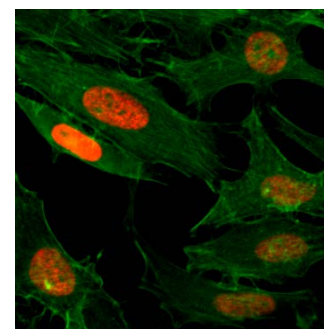
<b>Product:</b>	Rabbit Monoclonal Antibody Anti-Acetyl-Histone H3 (Lys4) Rabbit Monoclonal Antibody, Clone RM149
<b>Catalog No.:</b>	31-1063-00
<b>Lot No.:</b>	
<b>Clone</b>	RM149
<b>Specificity</b>	This antibody reacts to Histone H3 acetylated at Lysine 4 (K4ac). No cross reactivity with non-modified Lysine 4 or other acetylated Lysines in histone H3.
<b>Application:</b>	Western Blot, Immunocytochemistry, ELISA, Multiplex
<b>Immunogen:</b>	An acetyl-peptide corresponding to Acetyl-Histone H3 (Lys4).
<b>Purity:</b>	Protein A affinity purified from an animal origin-free culture supernatant
<b>Size:</b>	100 µg
<b>Concentration:</b>	1.0 mg/mL
<b>Buffer:</b>	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
<b>Usage:</b>	WB: 0.25 µg/mL - 1 µg/mL; ICC: 0.5 µg/mL - 2 µg/mL; ELISA: 0.2 µg/mL - 1 µg/mL; Multiplex: 0.05 µg/mL - 0.5 µg/mL.
<b>Storage and Stability:</b>	Stable for 1 Year at -20.0°C from date of receipt.
<b>Country of Origin:</b>	U.S.A.
<b>Intended Use:</b>	<b>For Research Use Only Not for Diagnostic or Therapeutic Use</b>



RM149 specifically reacts to Histone H3 acetylated at Lysine 4 (K4ac). No cross reactivity with non-modified Lysine 4, acetylated Lysine 9 (K9ac), Lysine 14 (K14ac), Lysine 18 (K18ac), Lysine 23 (K23ac), Lysine 27 (K27ac), 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 RM149 at 0.5 µg/mL, showed a band of histone H3 acetylated at Lysine 4 in treated HeLa.



Immunocytochemistry of HeLa cells treated with sodium butyrate, using Acetyl-Histone H3 (Lys4) Rabbit mAb RM149 (red). Actin filaments have been labeled with fluorescein phalloidin (green).