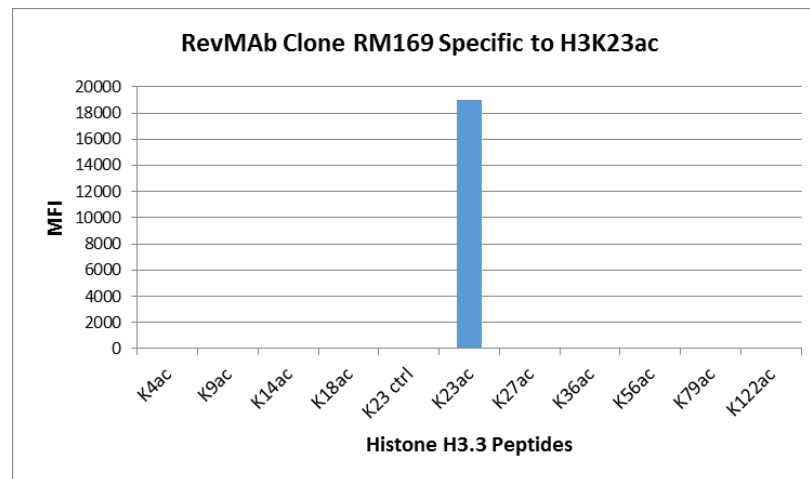
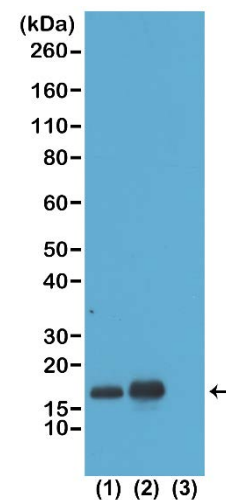


## Certificate of Analysis

<b>Product:</b>	Rabbit Monoclonal Antibody Anti-Acetyl-Histone H3 (Lys23) Rabbit Monoclonal Antibody, Clone RM169
<b>Catalog No.:</b>	31-1087-00
<b>Lot No.:</b>	
<b>Clone</b>	RM169
<b>Specificity</b>	This antibody reacts to Histone H3 acetylated at Lysine 23 (K23ac). No cross reactivity with other acetylated Lysines in histone H3.
<b>Application:</b>	Western Blot, ELISA, Multiplex
<b>Immunogen:</b>	An acetyl-peptide corresponding to Acetyl-Histone H3 (Lys23).
<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: 0.5 µg/mL - 2 µg/mL; ELISA: 0.5 µg/mL - 1 µg/mL; Multiplex: 0.2 µg/mL – 1 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>



RM169 specifically reacts to Histone H3 acetylated at Lysine 23 (K23ac). No cross reactivity with unmodified Lysine 23 (K23 ctrl), acetylated Lysine 4 (K4ac), Lysine 9 (K9ac), Lysine 14 (K14ac), Lysine 18 (K18ac), Lysine 27 (K27ac), Lysine 36 (K36ac), Lysine 56 (K56ac), lysine 79 (K79ac), or Lysine 122 (K122) in histone H3.



Western Blot of acid extracts of HeLa cells non-treated (1) or treated with sodium butyrate (2), and recombinant histone H3.3 (3). Using RM169 at 1 µg/mL, showed a band of histone H3 acetylated at Lysine 23 in treated HeLa.