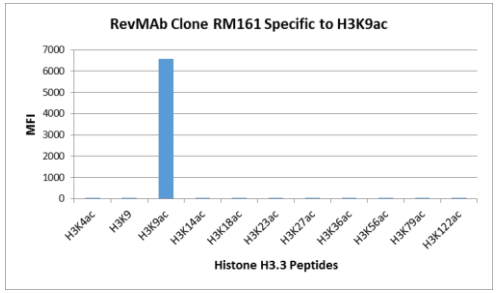
RevMAb Biosciences
www.revmab.com

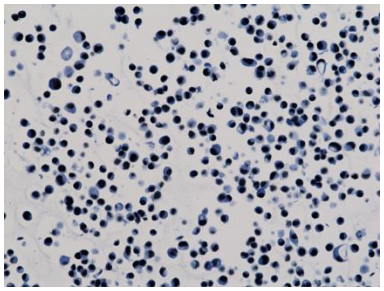
RevMAb Biosciences USA, Inc.
830 Dubuque Ave, South San Francisco, CA 94080, USA

Certificate of Analysis

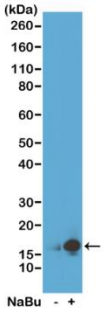
Product:	Rabbit Monoclonal Antibody Anti-Acetyl-Histone H3 (Lys9) Rabbit Monoclonal Antibody, Clone RM161
Catalog No.:	31-1054-00
Lot No.:	
Clone	RM161
Specificity	This antibody reacts to Histone H3 acetylated at Lysine 9 (K9ac). No cross reactivity with other acetylated Lysines in histone H3.
Application:	Western Blot, Chromatin IP, Immunocytochemistry, ELISA, Multiplex, Immunohistochemistry
Immunogen:	An acetyl-peptide corresponding to Acetyl-Histone H3 (Lys9).
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: 0.25 µg/mL - 1 µg/mL; ICC: 0.5 µg/mL - 2 µg/mL; ChIP: 2 µg/mL - 10 µg/mL; ELISA: 0.5 µg/mL - 2 µg/mL; Multiplex: 0.05 µg/mL – 0.5 µg/mL; IHC: 0.1 µg/mL - 1 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**



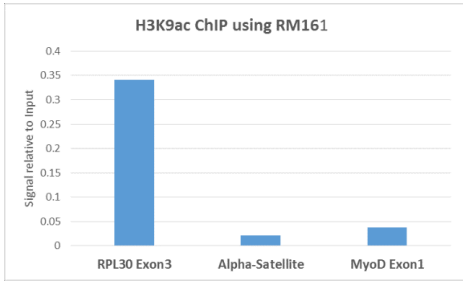
RM161 specifically reacts to Histone H3 acetylated at Lysine 9 (K9ac). No cross reactivity with acetylated Lysine 4 (K4ac), Lysine 14 (K14ac), Lysine 18 (K18ac), Lysine 23 (K23ac), Lysine 27 (K27ac), Lysine 36 (K36ac), Lysine 56 (K56ac), lysine 79 (K79ac), or Lysine 122 (K122) in histone H3.



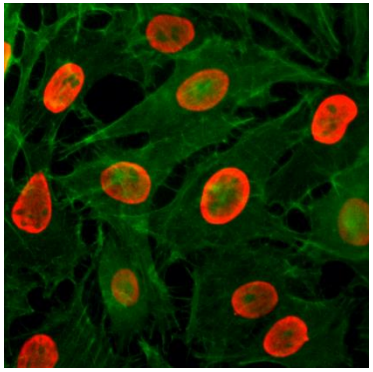
Immunohistochemistry staining of HepG2 cells using anti-Acetyl-Histone H3 (Lys9) antibody, RM161.



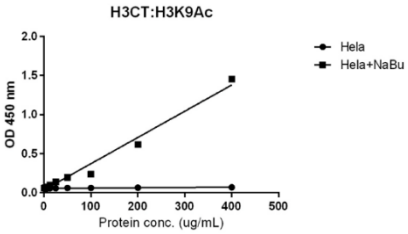
Western Blot of acid extracts from HeLa cells untreated (-) or treated (+) with Sodium Butyrate, using RM161 at 0.25 µg/mL.



ChIP performed on HeLa cells using H3K9ac antibody (RM161, 5µg). Real-time PCR was performed using primers specific to the gene



Immunocytochemistry of HeLa cells treated with sodium butyrate, using Acetyl-Histone H3 (Lys9) Rabbit mAb RM161 (red). Actin filaments have been labeled with fluorescein phalloidin (green).



Sandwich ELISA against acetylated histone H3 at Lys 9 using HeLa whole cell lysate, treated or untreated with Sodium Butyrate. Using anti-H3CT (RM188, 1 µg/mL) as the capture antibody and biotinylated anti-H3K9ac (RM161, 1 µg/mL) as the detection antibody.