

10-9546: Recombinant Rabbit Monoclonal Antibody to Acetylated Histone H3 Lysine 79 (K79ac) (Clone: RM156)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM156
Application :	WB,ELISA,Multiplex,ChIP,ICC
Reactivity :	All Species
Gene :	H3F3A
Gene ID :	3020
Uniprot ID :	P84243
Format :	Purified
Alternative Name :	Histone H3.3
Isotype :	Rabbit IgG
Immunogen Information :	An acetyl-peptide corresponding to the Acetyl-Histone H3 (Lys79).

Product Info

Amount :	100 µg
Purification :	Protein A affinity purified from an animal origin-free culture supernatant
Content :	1 mg/ml in 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Storage condition :	Store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Clone RM156 reacts to Histone H3 acetylated at Lysine 79 (K79ac). No cross reactivity with other acetylated Lysines in Histone H3. Western Blot: 0.5 Åµg/ml - 2 Åµg/ml; ICC: 0.5 Åµg/ml - 2 Åµg/ml; ChIP: 2 Åµg/ml- 10 Åµg/ml; ELISA: 0.2 Åµg/ml - 1 Åµg/ml; Multiplex: 0.05 Åµg/ml Åµg/ml 0.2 Åµg/ml.

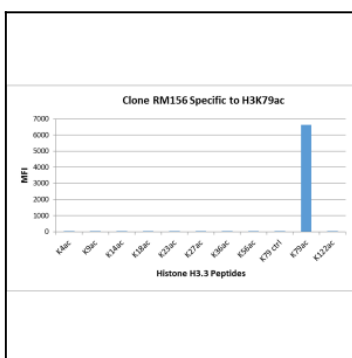


Figure 1: Clone: RM156 specifically reacts to Histone H3 acetylated at Lysine 79 (K79ac). No cross reactivity with acetyl-ated Lysine 4 (K4ac), Lysine 9 (K9ac), Lysine 14(K14ac), Lysine 18 (K18ac), Lysine 23 (K23ac), Lysine 27 (K27ac), Lysine 36 (K36ac), Lysine 56 (K56ac), or Lysine 122 (K122) in Histone H3.

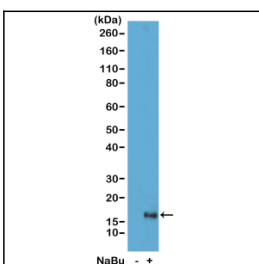


Figure 2: Western Blot of acid extracts from HeLa cells untreated (-) or treated with sodium butyrate (+), using Clone: RM156 at 1.0 µg/ml, showed a band of histone H3 acetylated at Lysine 79 in treated HeLa.

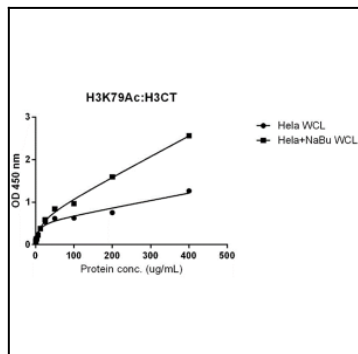


Figure 3: Sandwich ELISA against acetylated histone H3 at Lys 79 using HeLa whole cell lysate, treated or untreated with Sodium Butyrate. Using anti-H3K79ac (Clone: RM156, 5 µg/ml) as the capture antibody and biotinylated anti-H3CT (Clone: RM188, 1 µg/ml) as the detection antibody.

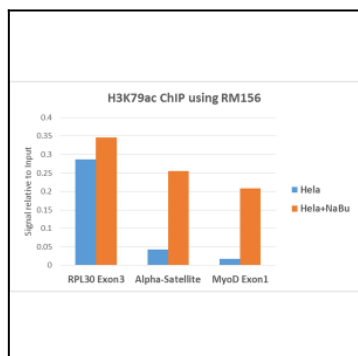


Figure 4: CHIP performed on HeLa cells with or without Sodium Butyrate treatment, using H3K79Ac antibody (Clone: RM156, 5 µg). Real-time PCR was performed using primers specific to the gene indicated.

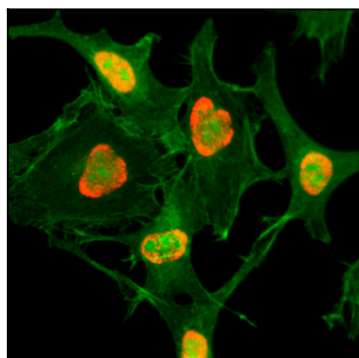


Figure 5: Immunocytochemistry of HeLa cells treated with sodium butyrate, using Acetyl-Histone H3 (Lys79) Rabbit mAb Clone: RM156 (red). Actin filaments have been labeled with fluorescein phalloidin (green).