

10-9553: Recombinant Rabbit Monoclonal Antibody to Acetylated Histone H3 Lysine 4 (K4ac) (Clone: RM149)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM149
Application :	WB,ELISA,Multiplex,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 (Lys4)

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 RM149 reacts to Histone H3 acetylated at Lysine 4 (K4ac). No cross reactivity with non-modified Lysine 4 or other acetylated Lysines in histone H3. Western Blot: 0.25 Åµg/ml - 1 Åµg/ml; ICC: 0.5 Åµg/ml - 2 Åµg/ml; ELISA: 0.2 Åµg/ml - 1 Åµg/ml; Multiplex: 0.05 Åµg/ml - 0.5 Åµg/ml.

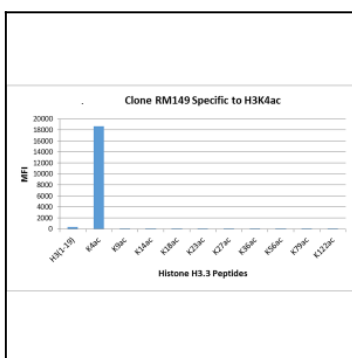


Figure 1: Clone: RM149 specifically reacts to Histone H3 acetylated at Lysine 4 (K4ac). No cross reactivity with non-modified Lysine 4, acetylated Lysine 9 (K9ac), Lysine 14 (K14ac), Lysine 18 (K18ac), Lysine 23 (K23ac), Lysine 27 (K27ac), Lysine 36 (K36ac), Lysine 56 (K56ac), lysine 79 (K79ac), or Lysine 122 (K122) in histone H3.

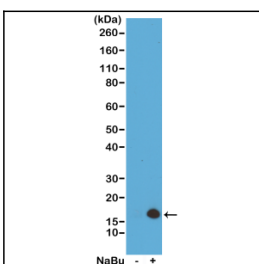


Figure 2: Western Blot of acid extracts from HeLa cells untreated (-) or treated with sodium butyrate (+), using Clone: RM149 at 0.5 µg/ml, showed a band of histone H3 acetylated at Lysine 4 in treated HeLa.

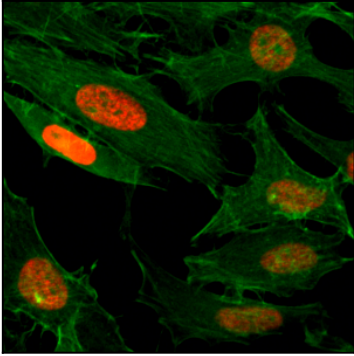


Figure 3: Immunocytochemistry of HeLa cells treated with sodium butyrate, using Acetyl-Histone H3 (Lys4) Rabbit mAb Clone: RM149 (red). Actin filaments have been labeled with fluorescein phalloidin (green).