

10-9570: Recombinant Rabbit Monoclonal Antibody to Acetylated Histone H4 Lysine 12 (K12ac) (Clone: RM202)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM202
Application :	WB,ELISA,Multiplex,ICC
Reactivity :	All Species
Gene :	HIST1H4A
Gene ID :	121504
Uniprot ID :	P62805
Format :	Purified
Alternative Name :	H4/A, H4FA
Isotype :	Rabbit IgG
Immunogen Information :	An acetyl-peptide corresponding to Acetyl-Histone H4 (Lys12).

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 RM202 reacts to Histone H4 acetylated at Lysine 12 (K12ac). No cross reactivity with other acetylated Lysines in Histone H4. Western Blot: 0.5 µg/ml - 2 µg/ml; ELISA: 0.5 µg/ml - 1 µg/ml; Multiplex: 0.5 µg/ml - 2 µg/ml; Immunocytochemistry: 0.5 µg/ml - 2 µg/ml.

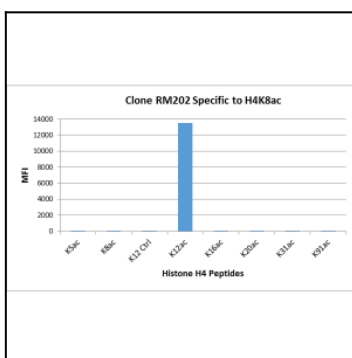


Figure 1: Clone: RM202 specifically reacts to Histone H4 acetylated at Lysine 12 (K12ac). No cross reactivity with unmodified Lysine 16 (K16 ctrl), acetylated Lysine 5 (K5ac), Lysine 8 (K8ac), Lysine 16 (K16ac), Lysine 20 (K20ac), Lysine 31 (K31ac), or Lysine 91 (K91) in Histone H4.

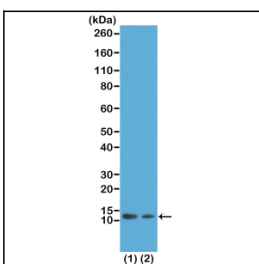


Figure 2: Western Blot of acid extracts from: (1) HeLa cells treated with sodium butyrate; (2) HeLa cells untreated. Using Clone: RM202 at 0.5 µg/ml, showed a band of Histone H4 acetylated at Lysine 12 in HeLa cells.

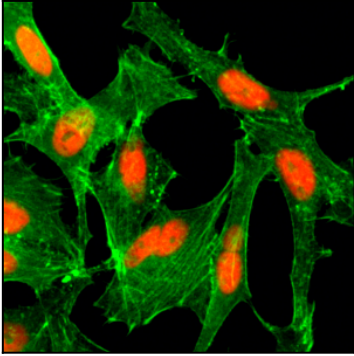


Figure 3: Immunocytochemical staining of HeLa cells treated with sodium butyrate, using anti-Acetyl-Histone H4 (Lys12) Rabbit Monoclonal Antibody (Clone: RM202) (red). Actin filaments have been labeled with fluorescein phalloidin (green).