

10-9564: Recombinant Rabbit Monoclonal Antibody to Acetylated Histone H4 Lysine 5 (K5ac) (Clone: RM199)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM199
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 the Acetyl-Histone H4 (Lys5).

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 RM199 reacts to Histone H4 acetylated at Lysine 5 (K5ac). No cross reactivity with other acetylated Lysines in Histone H4. Western Blot: 0.2 µg/ml - 1 µg/ml; ELISA: 0.2 µg/ml - 1 µg/ml; Multiplex: 0.05 µg/ml - 0.2 µg/ml; Immunocytochemistry: 0.5 µg/ml - 2 µg/ml.

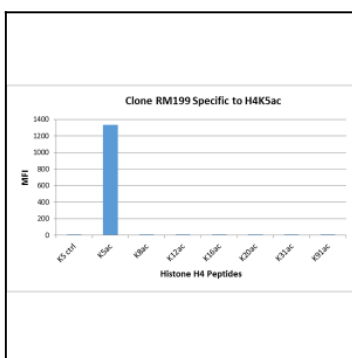


Figure 1: Clone: RM199 specifically reacts to Histone H4 acetylated at Lysine 5 (K5ac). No cross reactivity with unmodified Lysine 5 (K5 ctrl), acetylated Lysine 8 (K8ac), Lysine 12 (K12ac), Lysine 16 (K16ac), Lysine 20 (K20ac), Lysine 31 (K31ac), or Lysine 91 (K91) in Histone H4.

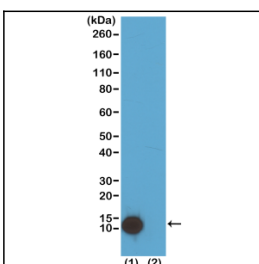


Figure 2: Western Blot of (1) acid extracts of HeLa cells; (2) recombinant Histone H4. Using Clone: RM199 at 0.2 µg/ml, showed a band of Histone H4 acetylated at Lysine 5 in HeLa cells.

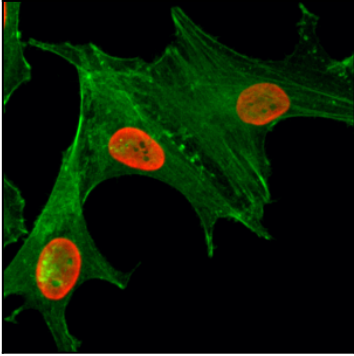


Figure 3: Immunocytochemical staining of HeLa cells treated with sodium butyrate, using anti-Acetyl-Histone H4 (Lys5) Rabbit Monoclonal Antibody (Clone: RM199) (red). Actin filaments have been labeled with fluorescein phalloidin (green).