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## 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:  $0.5 \ \tilde{A} \Box \hat{A} \mu g/ml$  -  $2 \ \tilde{A} \Box \hat{A} \mu g/ml$ ; ELISA:  $0.5 \ \tilde{A} \Box \hat{A} \mu g/ml$ ; Multiplex:  $0.5 \ \tilde{A} \Box \hat{A} \mu g/ml$   $\tilde{A} \Box \hat{A} \Box \hat{A} \mu g/ml$ ; Immunocytochemistry:  $0.5 \ \tilde{A} \Box \hat{A} \mu g/ml$ .

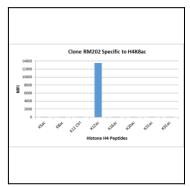


Figure 1: Clone: RM202 specifically reacts to Histone H4 acetylatedat Lysine 12 (K12ac). No cross reactivity with unmodified Lysine 16 (K16 ctrl), acetylated Lysine 5 (K5ac), Lysine 8 (K8ac), Lysine 16 (K16ac), Lysine 20 (K20ac),Lysine 31 (K31ac), or Lysine 91 (K91) in Histone H4.

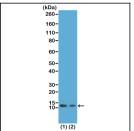


Figure 2: Western Blot of acid extracts from: (1) HeLa cells treated with sodium butyrate; (2) HeLa cells untreated. Using Clone: RM202 at  $0.5~\mu$ g/ml, showed a band of Histone H4 acetylated at Lysine 12 in HeLa cells.



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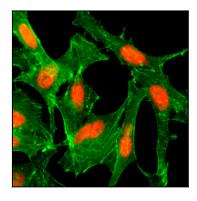


Figure 3: Immunocytochemical staining of HeLa cells treated with sodium butyrate, using anti-Acetyl-Histone H4 (Lys12) Rabbit Monoclonal Antibody (Clone: RM202) (red). Actin filaments have been labeled with fluorescein phalloidin (green).