

10-9550: Recombinant Rabbit Monoclonal Antibody to Acetylated Histone H3 Lysine 27 (K27ac) (Clone: RM172)(Discontinued)

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| Clonality : | Monoclonal |
| Clone Name : | RM172 |
| 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 (Lys27) |

Product Info

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| 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 RM172 reacts to Histone H3 acetylated at Lysine 27 (K27ac). 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; ELISA: 0.2 Åµg/ml - 1 Åµg/ml; Multiplex: 0.1 Åµg/ml Åµg/ml 0.5 Åµg/ml.

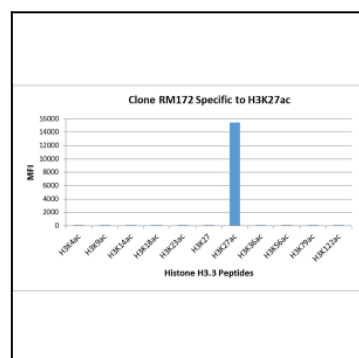


Figure 1: Clone: RM172 specifically reacts to Histone H3 acetylated at Lysine 27 (K27ac). No cross reactivity with acetylated Lysine 4 (K4ac), Lysine 9 (K9ac), Lysine 14 (K14ac), Lysine 18 (K18ac), Lysine 23 (K23ac), Lysine 36 (K36ac), Lysine 56 (K56ac), Lysine 79 (K79ac), or Lysine 122 (K122) in Histone H3.

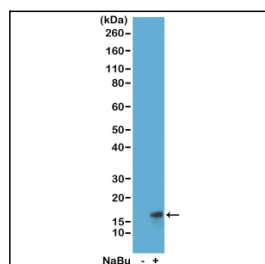


Figure 2: Western Blot of acid extracts from HeLa cells untreated (-) or treated with sodium butyrate (+), using Clone: RM172 at 1 µg/ml, showed a band of histone H3 acetylated at Lysine 27 in treated HeLa.

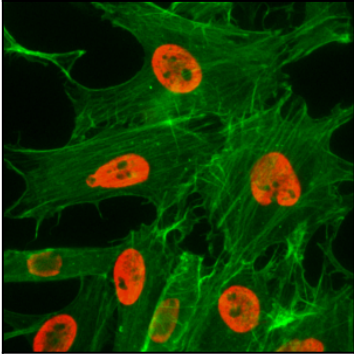


Figure 3: Immunocytochemistry of HeLa cells treated with sodium butyrate, using Acetyl-Histone H3 (Lys27) Rabbit mAb Clone: RM172 (red). Actin filaments have been labeled with fluorescein phalloidin (green).