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10-9551: Recombinant Rabbit Monoclonal Antibody to Dimethylated Histone H3 Lysine 9, H3K9me2 (Clone: RM151)(Discontinued)

Clonality: Monoclonal Clone Name: RM151

Application : WB,ELISA,Multiplex,ChIP,ICC

Reactivity: All Species
Gene: H3F3A
Gene ID: 3020
Uniprot ID: P84243
Format: Purified
Alternative Name: Histone H3.3
Isotype: Rabbit IgG

Immunogen Information: A dimethyl-peptide corresponding to Dimethyl-Histone H3 (Lys9).

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 RM151 reacts to Histone H3 dimethylated at Lysine 9 (K9me2). No cross reactivity with monomethylated Lysine 9 (K9me1), trimethylated Lysine 9 (K9me3), or other methylations in histone H3. Western Blot: 0.25 $\tilde{A} = 0.25 \tilde{A} =$

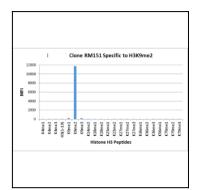


Figure 1: Clone: RM151 specifically reacts to Histone H3 dimethylatedat Lysine 9 (K9me2). No cross reactivity with non-modified Lysine 9 (H3 1-19), monomethylated Lysine 9 (K9me1), trimethylated Lysine 9 (K9me3), or other methylations in Histone H3.



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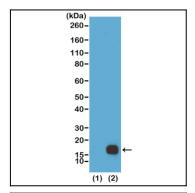


Figure 2: Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using Clone: RM151 at 0.5 μ g/ml, showed a band of histone H3 dimethylated at Lysine 9 (K9me2) in HeLa cells.

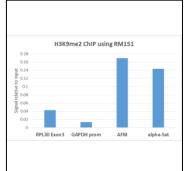


Figure 3: ChIP performed on HeLa cells using H3K9me2 antibody (Clone: RM151, 5 µg). Real-time PCR was performed using primers specific to the gene indicated.

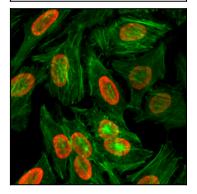


Figure 4: Immunocytochemistry of HeLa cells treated with sodium butyrate, using Dimethyl-Histone H3(Lys9) Rabbit mAb Clone: RM151 (red). Actin filaments have been labeled with fluorescein phalloidin (green).