

10-9554: Recombinant Rabbit Monoclonal Antibody to Monomethylated Histone H3 Lysine 9, H3K9me1 (Clone: RM150)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM150
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 monomethyl-peptide corresponding to Monomethyl-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 RM150 reacts to Histone H3 monomethylated at Lysine 9 (K9me1). No cross reactivity with non-modified Lysine 9, dimethylated Lysine 9 (K9me2), trimethylated Lysine 4 (K9me3), or other methylations in histone H3. Western Blot: 0.2 µg/ml-1 µg/ml; ChIP: 2 µg/ml-10 µg/ml; ICC: 0.5 µg/ml - 2 µg/ml; ELISA: 0.2 µg/ml - 1 µg/ml; Multiplex: 0.1 µg/ml - 0.5 µg/ml.

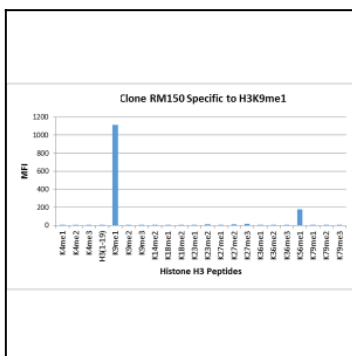


Figure 1: Clone: RM150 specifically reacts to Histone H3 monomethylated at Lysine 9 (K9me1). No cross reactivity with non-modified Lysine 9, dimethylated Lysine 9 (K9me2), trimethylated Lysine 4 (K9me3), or other methylations in histone H3.

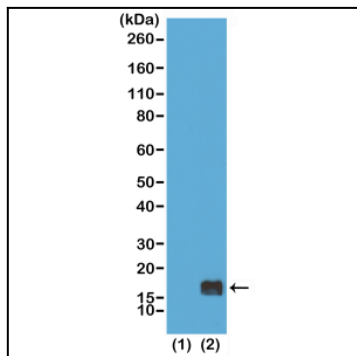


Figure 2: Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using Clone: RM150 at 0.5 μ g/ml, showed a band of histone H3 monomethylated at Lysine 9 (K9me1) in HeLa cells.

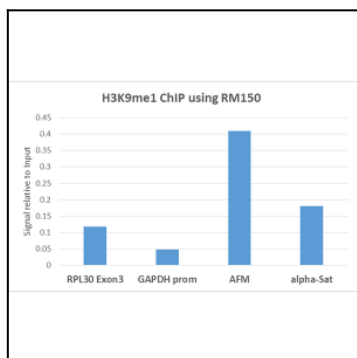


Figure 3: ChIP performed on HeLa cells using H3K9me1 antibody (Clone: RM150, 5 μ g). Real-time PCR was performed using primers specific to the gene indicated.

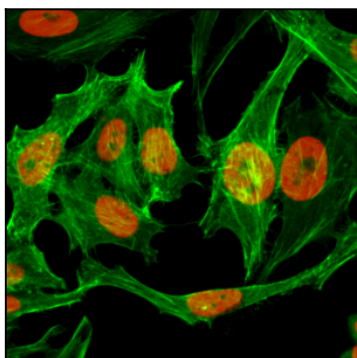


Figure 4: Immunocytochemistry of HeLa cells treated with sodium butyrate, using Monomethyl-Histone H3(Lys9) Rabbit mAb Clone: RM150 (red). Actin filaments have been labeled with fluorescein phalloidin (green).