

10-9576: Recombinant Rabbit Monoclonal Antibody to Trimethyl-Phospho-Histone H3 (Lys9/Ser10) (Clone: RM162)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM162
Application :	WB,ELISA,Multiplex
Reactivity :	All Species
Gene :	H3F3A
Gene ID :	3020
Uniprot ID :	P84243
Format :	Purified
Alternative Name :	Histone H3.3
Isotype :	Rabbit IgG
Immunogen Information :	A trimethyl-phospho-peptide corresponding to Trimethyl- Phospho-Histone H3 (Lys9/Ser10).

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 RM162 reacts to Histone H3 only when modified by both trimethylation at lysine 9 and phosphorylation at serine 10 (K9me3/S10p). Western Blot: 0.01 Åµg/ml - 1 Åµg/ml; ELISA: 0.01 Åµg/ml - 0.5 Åµg/ml; Multiplex: 0.1 Åµg/ml Åµg/ml 1 Åµg/ml.

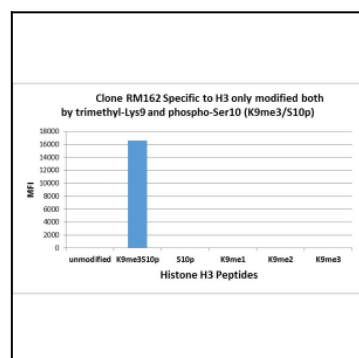


Figure 1: Clone: RM162 specifically reacts to Histone H3 only when modified by both trimethylation at lysine 9 and phosphorylation at serine 10 (K9me3/S10p). No cross reactivity with non-modified Lysine 9/ Serine 10, methylated Lysine 9 (K9me1, k9me2, k9me3) ONLY, or phosphorylation at Serine 9 ONLY in Histone H3.

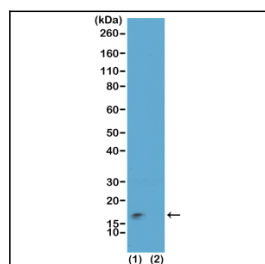


Figure 2: Western Blot of acid extracts of HeLa cells (1) and recombinant histone H3.3 (2), using Clone: RM162 at 0.01 µg/ml, showed a band of histone H3 modified by both trimethylation at lysine 9 and phosphorylation at serine 10 (K9me3/S10p) in HeLa cells.