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10-9547: Recombinant Rabbit Monoclonal Antibody to Monomethylated Histone H3 Lysine 79, H3K79me1 (Clone: RM147)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM147
Application :	WB,ELISA,Multiplex,ChIP
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 (Lys79)

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 RM147 reacts to Histone H3 monomethylated at Lysine 79 (K79me1). No cross reactivity with dimethylated Lysine 79 (K79me2) or trimethylated Lysine 79 (K79me3), or other methylations in histone H3 Western Blot: 0.2 Ã□Âµg/ml Ã□â□□ 1 Ã□Âµg/ml; ChIP: 2 Ã□Âµg/ml- 10 Ã□Âµg/ml; ELISA: 0.2 Ã□Âµg/ml - 1 Ã□Âµg/ml; Multiplex: 0.1 Ã□Âµg/ml Ã□â□□ 0.5 Ã□Âµg/ml.

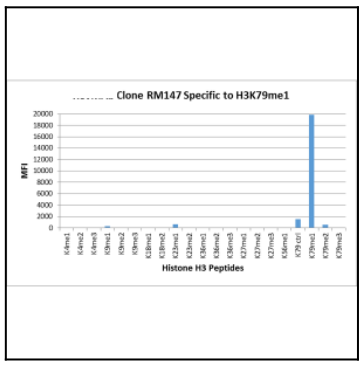


Figure 1: Clone: RM147 specifically reacts to Histone H3 monomethylated at Lysine 79 (K79me1). No cross reactivity with dimethylated Lysine 79 (K79me2), trimethylated Lysine 79 (K79me3), or other methylations in histone H3.

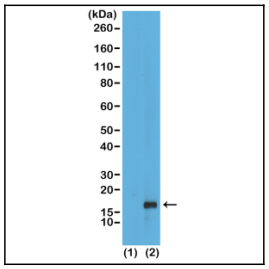


Figure 2: Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using Clone: RM147 at 0.5 µg/ml, showed a band of histone H3 mono-methylated at Lysine 79 (K79me1) in HeLa cells.

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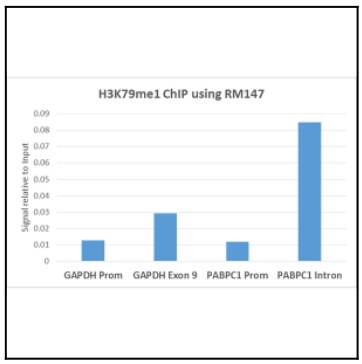


Figure 3: ChIP performed on HeLa cells using H3K79me1 antibody (Clone: RM147, 5 µg). Real-time PCR was performed using primers specific to the gene indicated.

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