

10-9555: Recombinant Rabbit Monoclonal Antibody to Trimethylated Histone H3 Lysine 27, H3K27me3 (Clone: RM175)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM175
Application :	WB,ELISA,Multiplex,IHC
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-peptide corresponding to Trimethyl-Histone H3 (Lys27)

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 RM175 reacts to Histone H3 trimethylated at Lysine 27 (K27me3). No cross reactivity non-modified Lysine 27, monomethylated Lysine 27 (K27me1) or dimethylated Lysine 27 (K27me2), or other methylations in histone H3. Western Blot: 1 Åµg/ml Å²Å² 2 Å²Åµg/ml; IHC: 0.5 Å²Åµg/ml Å²Å² 2 Å²Åµg/ml; ELISA: 0.5 Å²Åµg/ml - 1 Å²Åµg/ml; Multiplex: 0.1 Å²Åµg/ml Å²Å² 0.5 Å²Åµg/ml.

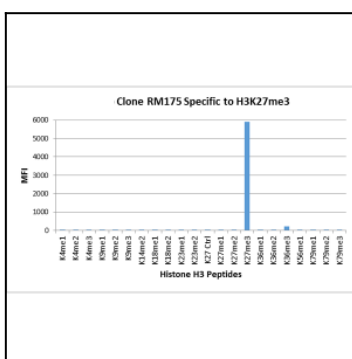


Figure 1: Clone: RM175 specifically reacts to Histone H3 trimethylated at Lysine 27 (K27me3). No cross reactivity with non-modified Lysine 27 (K27 Ctrl), monomethylated Lysine 27 (K27me1) or dimethylated Lysine 27 (K27me2), or other methylations in Histone H3.

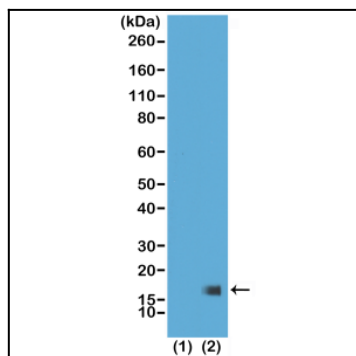


Figure 2: Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using Clone: RM175 at 1 $\mu\text{g/ml}$, showed a band of histone H3 trimethyl-ated at Lysine 27 (K27me3) in HeLa cells.

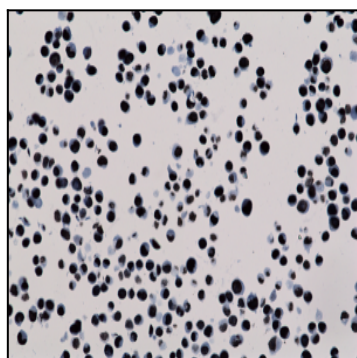


Figure 3: Immunohistochemistry staining of HepG2 cells using Anti-Trimethyl-Histone H3 (Lys27) antibody, Clone: RM175.