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10-9568: Recombinant Rabbit Monoclonal Antibody to Histone H3 Unmodified Lysine 4 (Clone: RM186)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM186
Application :	WB,ELISA,Multiplex,ICC
Reactivity :	All Species
Gene :	HIST3H3
Gene ID :	8290
Uniprot ID :	Q16695
Format :	Purified
Alternative Name :	H3/g, Histone H3.1t
Isotype :	Rabbit IgG
Immunogen Information :	An unmodified peptide corresponding to the N-terminus of Histone H3.

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 RM186 recognizes Histone H3 unmodified at Lys4 and does not recognize acetylated or methylated Lys4. The antibody binding specificity allows for modifications of Arg2, Thr3, and/or other modifications in Histone H3. Western Blot: 1 ÃÂµg/ml ÃâÃ 2 ÃÂµg/ml; ELISA: 0.5 ÃÂµg/ml - 1 ÃÂµg/ml; Multiplex: 0.5 ÃÂµg/ml ÃâÃ 2 ÃÂµg/ml; Immunocytochemistry: 0.5 ÃÂµg/ml- 2 ÃÂµg/ml.

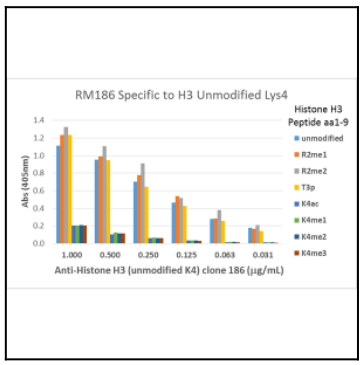


Figure 1: Clone: RM186 specifically recognizes Histone H3 unmodified at Lys4 and does not recognize acetylated, mono- methylated, dimethylated, or trimethylated Lys4. The antibody binding specificity allows for modifications of Arg2 or Thr3 in histone H3.

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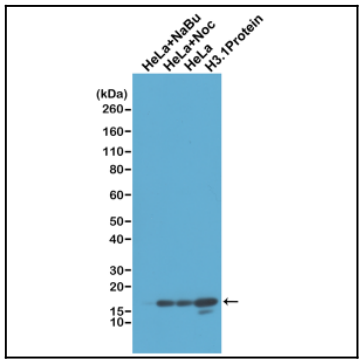


Figure 2: Western Blot of acid extracts of HeLa cells treated with sodium butyrate (HeLa+NaBu), treated with Nocodazole (HeLa+Noc), or non-treated; and recombinant histone H3.1 protein, using Clone: RM186 at 1 µg/ml, showed a band of histone H3 with unmodified Lys4.

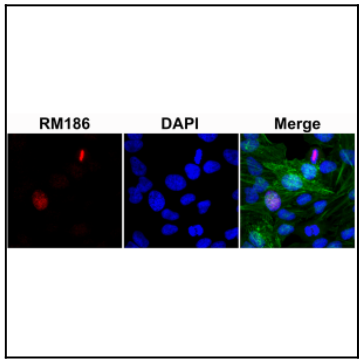


Figure 3: Immunocytochemical staining of HeLa cells treated with sodium butyrate, using anti-Acetyl-Histone H3 (Unmodified Lys4) Rabbit Monoclonal Antibody (Clone: RM186) (red). Actin filaments have been labeled with fluorescein phalloidin (green).

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