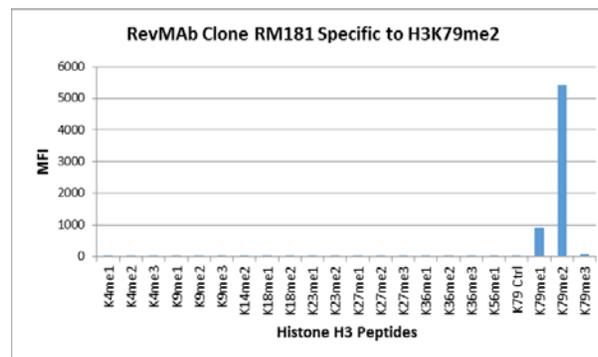
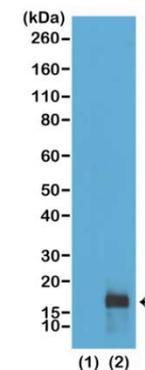


Certificate of Analysis

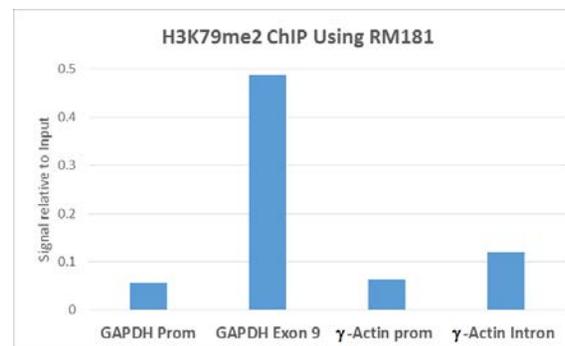
Product:	Rabbit Monoclonal Antibody Anti-Dimethyl-Histone H3 (Lys79) Rabbit Monoclonal Antibody, Clone RM181
Catalog No.:	31-1065-00
Lot No.:	
Clone	RM181
Specificity	This antibody reacts to Histone H3 dimethylated at Lysine 79 (K79me2). Very slightly cross-reacts with monomethylated Lysine 79 (K79me1) at high concentration. No cross reactivity with non-modified Lysine 79 (K79 ctrl), trimethylated Lysine 79 (K79me3), or other methylations in Histone H3.
Application:	Western Blot, Chromatin IP, ELISA, Multiplex, Immunohistochemistry
Immunogen:	A dimethyl-peptide corresponding to Dimethyl-Histone H3 (Lys79).
Purity:	Protein A affinity purified from an animal origin-free culture supernatant
Size:	100 µg
Concentration:	1.0 mg/mL
Buffer:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Usage:	WB: 0.25 µg/mL – 1 µg/mL; ChIP: 2 µg/mL - 10 µg/mL; ELISA: 0.2 µg/mL - 1 µg/mL; Multiplex: 0.1 µg/mL – 0.5 µg/mL; IHC: 0.1 µg/mL – 1 µg/mL.
Storage and Stability:	Stable for 1 Year at -20.0°C from date of receipt.
Country of Origin:	U.S.A.
Intended Use:	For Research Use Only Not for Diagnostic or Therapeutic Use



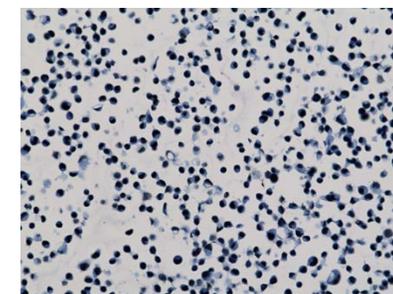
RM181 specifically reacts to Histone H3 dimethylated at Lysine 79 (K79me2). It shows very slight cross reactivity with monomethylated Lysine 14 (K14me1), and no cross reactivity with non-modified Lysine 79 (K79 ctrl), trimethylated Lysine 79 (K79me3), or other methylations in Histone H3.



Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using RM181 at 0.25 µg/mL, showed a band of histone H3 dimethylated at Lysine 79 (K79me2) in HeLa cells.



ChIP performed on HeLa cells using H3K79me2 antibody (RM181, 5µg). Real-time PCR was performed using primers specific to the gene indicated.



Immunohistochemistry staining of HepG2 cells using anti-Dimethyl-Histone H3 (Lys79) antibody, RM181.