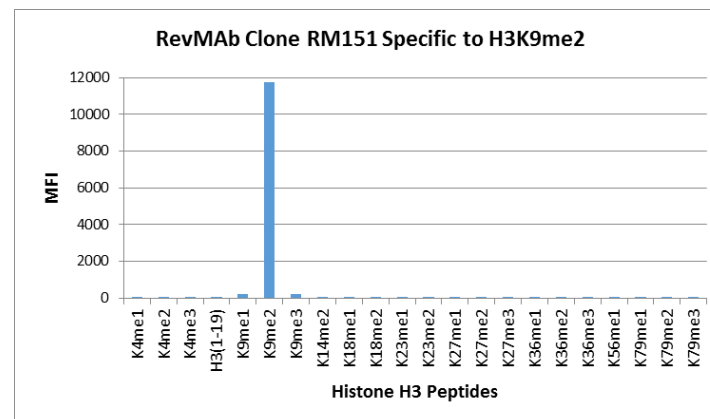
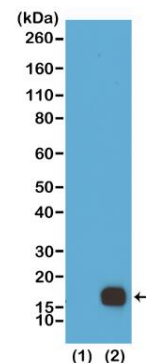


## Certificate of Analysis

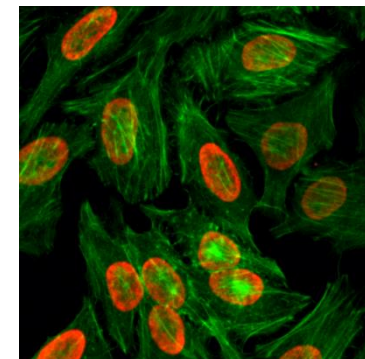
<b>Product:</b>	Rabbit Monoclonal Antibody Anti-Dimethyl-Histone H3 (Lys9) Rabbit Monoclonal Antibody, Clone RM151
<b>Catalog No.:</b>	31-1059-00
<b>Lot No.:</b>	
<b>Clone</b>	RM151
<b>Specificity</b>	This antibody reacts to Histone H3 dimethylated at Lysine 9 (K9me2). No cross reactivity with monomethylated Lysine 9 (K9me1), trimethylated Lysine 9 (K9me3), or other methylations in histone H3.
<b>Application:</b>	Western Blot, Chromatin IP, Immunocytochemistry, ELISA, Multiplex
<b>Immunogen:</b>	A dimethyl-peptide corresponding to Dimethyl-Histone H3 (Lys9).
<b>Purity:</b>	Protein A affinity purified from an animal origin-free culture supernatant
<b>Size:</b>	100 µg
<b>Concentration:</b>	1.0 mg/mL
<b>Buffer:</b>	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
<b>Usage:</b>	WB: 0.25 µg/mL – 1 µg/mL; ChIP: 2 µg/mL - 10 µg/mL; ICC: 0.5 µg/mL - 2 µg/mL; ELISA: 0.2 µg/mL - 1 µg/mL; Multiplex: 0.1 µg/mL – 0.5 µg/mL.
<b>Storage and Stability:</b>	Stable for 1 Year at -20.0°C from date of receipt.
<b>Country of Origin:</b>	U.S.A.
<b>Intended Use:</b>	<b>For Research Use Only Not for Diagnostic or Therapeutic Use</b>



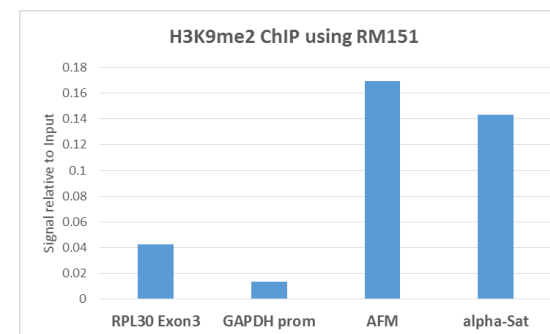
RM151 specifically reacts to Histone H3 dimethylated at Lysine 9 (K9me2). No cross reactivity with non-modified Lysine 9 (H3 1-19), monomethylated Lysine 9 (K9me1), trimethylated Lysine 9 (K9me3), or other methylations in Histone H3.



Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using RM151 at 0.5 µg/mL, showed a band of histone H3 dimethylated at Lysine 9 (K9me2) in HeLa cells.



Immunocytochemistry of HeLa cells, using Dimethyl-Histone H3 (Lys9) Rabbit mAb RM151 (red). Actin filaments have been labeled with fluorescein phalloidin (green).



ChIP performed on HeLa cells using H3K9me2 antibody (RM151, 5µg). Real-time PCR was performed using primers specific to the gene indicated.

