

## Anti-Monomethyl-Histone H3 (Lys4) H3F3A Rabbit Monoclonal Antibody, Clone#RM140

Catalog Number: M06819-3

### Overview

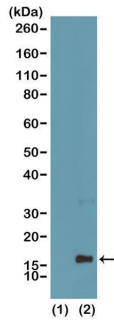
Product Name	Anti-Monomethyl-Histone H3 (Lys4) H3F3A Rabbit Monoclonal Antibody, Clone#RM140
Reactive Species	Human, Vertebrates
Description	Boster Bio Anti-Monomethyl-Histone H3 (Lys4) H3F3A Rabbit Monoclonal Antibody, Clone#RM140 (Catalog # M06819-3). Tested in WB, ChIP, ICC, ELISA, Luminex applications. This antibody reacts with Human, Vertebrates.
Application	ChIP, ELISA, ICC, WB, Luminex
Clonality	Monoclonal RM140
Formulation	50% Glycerol/PBS with 1% stabilizing protein and 0.09% sodium azide This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P84243

### Technical Details

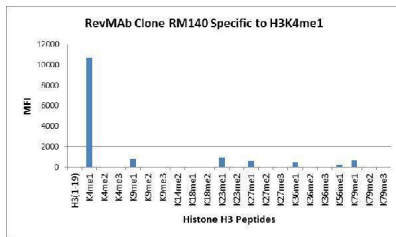
Immunogen	A monomethyl-peptide corresponding to Monomethyl-Histone H3 (Lys4)
Cross Reactivity	This antibody reacts to Histone H3 monomethylated at Lysine 4 (K4me1). No cross-reactivity with dimethylated Lysine 4 (K4me2) or trimethylated Lysine 4 (K4me3), or other methylations in histone H3
Isotype	Rabbit IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A affinity purified from an animal origin-free culture supernatant
Suggested Dilutions	WB: 0.2 ug/mL - 1 ug/mL ChIP: 2 ug/mL - 10 ug/mL ICC: 1 ug/mL - 2 ug/mL ELISA: 0.2 ug/mL - 1 ug/mL Luminex: 0.1 ug/mL - 0.5 ug/mL.



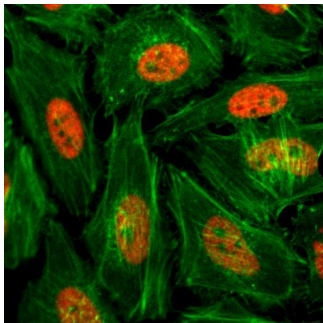
## Anti-Monomethyl-Histone H3 (Lys4) H3F3A Rabbit Monoclonal Antibody, Clone#RM140 (M06819-3) Images



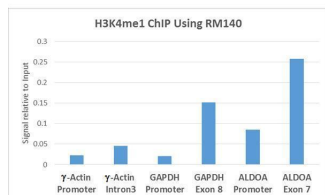
Western Blotting result Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using RM140 at 0.5 ug/mL, showed a band of histone H3 monomethylated at Lysine 4 (K4me1) in HeLa cells.



Specificity Test result RM140 specifically reacts to Histone H3 monomethylated at Lysine 4 (K4me1). No cross reactivity with dimethylated Lysine 4 (K4me2), trimethylated Lysine 4 (K4me3), or other methylations in histone H3



ICC result Immunocytochemistry of HeLa cells, using Monomethyl-Histone H3 (Lys4) Rabbit mAb RM140 (red). Actin filaments have been labeled with fluorescein phalloidin (green).



ChIP result ChIP performed on HeLa cells using H3K4me1 antibody (RM140, 5ug). Real-time PCR was performed using primers specific to the gene indicated.

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