

## Anti-Dimethyl-Histone H3 (Lys4) H3F3A Rabbit Monoclonal Antibody, Clone#RM135

Catalog Number: M06819-4

### Overview

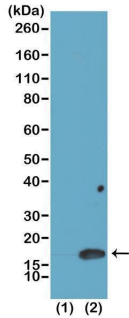
Product Name	Anti-Dimethyl-Histone H3 (Lys4) H3F3A Rabbit Monoclonal Antibody, Clone#RM135
Reactive Species	Human, Vertebrates
Description	Boster Bio Anti-Dimethyl-Histone H3 (Lys4) H3F3A Rabbit Monoclonal Antibody, Clone#RM135 (Catalog # M06819-4). Tested in ChIP, WB, ICC, ELISA, Luminex applications. This antibody reacts with Human, Vertebrates.
Application	ChIP, ELISA, ICC, WB, Luminex
Clonality	Monoclonal RM135
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

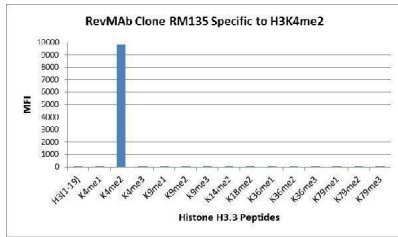
Immunogen	A dimethyl-peptide corresponding to Dimethyl-Histone H3 (Lys4)
Cross Reactivity	This antibody reacts to Histone H3 dimethylated at Lysine 4 (K4me2). No cross-reactivity with monomethylated Lysine 4 (K4me1) or trimethylated Lysine 4 (K4me3), or other methylation in histone H3.
Isotype	Rabbit IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A affinity purified from an animal origin-free culture supernatant
Suggested Dilutions	ChIP: 1µg-5 µg Western Blot: 0.02 ug/mL – 0.2 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.



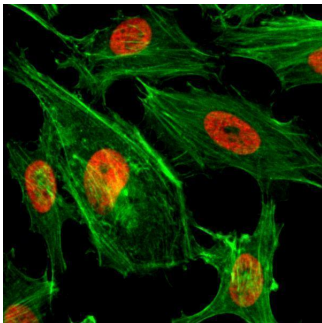
## Anti-Dimethyl-Histone H3 (Lys4) H3F3A Rabbit Monoclonal Antibody, Clone#RM135 (M06819-4) Images



Western Blotting result Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using RM135 at 0.025 ug/mL, showed a band of histone H3 dimethylated at Lysine 4 (K4me2) in HeLa cells.



Specificity Test result RM135 specifically reacts to Histone H3 dimethylated at Lysine 4 (K4me2). No cross reactivity with monomethylated Lysine 4 (K4me1) or trimethylated Lysine 4 (K4me3), or other methylations in histone H3.



ICC result Immunocytochemistry of HeLa cells treated with sodium butyrate, using Dimethyl-Histone H3 (Lys4) Rabbit mAb RM135 (red). Actin filaments have been labeled with fluorescein phalloidin (green).

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