

## Anti-Trimethyl-Histone H3 (Lys27) H3F3A Rabbit Monoclonal Antibody, Clone#RM175

Catalog Number: M06819-18

### Overview

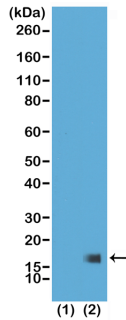
Product Name	Anti-Trimethyl-Histone H3 (Lys27) H3F3A Rabbit Monoclonal Antibody, Clone#RM175
Reactive Species	Human, Vertebrates
Description	Boster Bio Anti-Trimethyl-Histone H3 (Lys27) H3F3A Rabbit Monoclonal Antibody, Clone#RM175 (Catalog # M06819-18). Tested in ChIP, WB, IHC, ELISA, Luminex applications. This antibody reacts with Human, Vertebrates.
Application	ChIP, ELISA, IHC, WB, Luminex
Clonality	Monoclonal RM175
Formulation	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Storage Instructions	Store at -20°C for one year. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P84243

### Technical Details

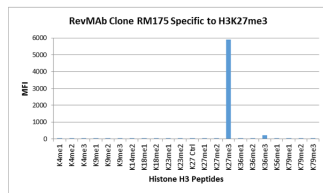
Immunogen	A trimethyl-peptide corresponding to Trimethyl-Histone H3 (Lys27)
Cross Reactivity	This antibody reacts to Histone H3 trimethylated at Lysine 27 (K27me3). No cross-reactivity with monomethylated Lysine 27 (K27me1) or dimethylated Lysine 27 (K27me2), or other methylations in histone H3.
Isotype	Rabbit IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A affinity purified from an animal origin-free culture supernatant
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ChIP: 1µg-5 µg</p> <p>Western Blot: 1 ug/mL – 2 ug/mL</p> <p>IHC: 0.5 ug/mL – 2 ug/mL</p>

	ELISA: 0.5ug/mL - 1 ug/mL Luminex: 0.1 ug/mL - 0.5 ug/mL.
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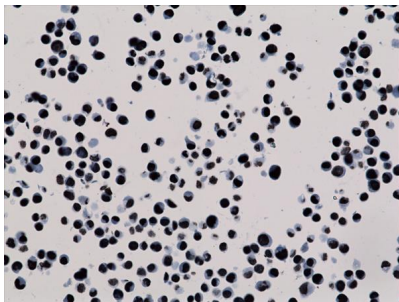
## Anti-Trimethyl-Histone H3 (Lys27) H3F3A Rabbit Monoclonal Antibody, Clone#RM175 (M06819-18) Images



**Figure 1. Western Blotting result**  
Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using RM175 at 1 ug/mL, showed a band of histone H3 trimethylated at Lysine 27 (K27me3) in HeLa cells.



**Figure 2. Specificity Test result**  
RM175 specifically reacts to Histone H3 trimethylated at Lysine 27 (K27me3). No cross reactivity with non-modified Lysine 27 (K27 Ctrl), monomethylated Lysine 27 (K27me1) or dimethylated Lysine 27 (K27me2), or other methylations in Histone H3.



**Figure 3. IHC result**  
Immunohistochemistry staining of HepG2 cell using anti-Trimethyl-Histone H3 (Lys27) antibody, RM175.

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