

## Anti-Acetyl-Histone H4 (Lys12) HIST1H4A Rabbit Monoclonal Antibody, Clone#RM202

Catalog Number: M14495-10

### Overview

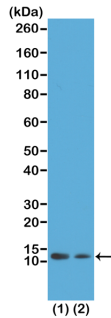
Product Name	Anti-Acetyl-Histone H4 (Lys12) HIST1H4A Rabbit Monoclonal Antibody, Clone#RM202
Reactive Species	Human, Vertebrates
Description	Boster Bio Anti-Acetyl-Histone H4 (Lys12) HIST1H4A Rabbit Monoclonal Antibody, Clone#RM202 (Catalog # M14495-10). Tested in ChIP, WB, ELISA, Luminex, ICC applications. This antibody reacts with Human, Vertebrates.
Application	ChIP, ELISA, ICC, WB, Luminex
Clonality	Monoclonal RM202
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	P62805

### Technical Details

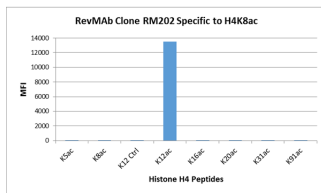
Immunogen	An acetyl-peptide corresponding to Acetyl-Histone H4 (Lys12).
Cross Reactivity	This antibody reacts to Histone H4 acetylated at Lysine 12 (K12ac). No cross-reactivity with other acetylated Lysines in Histone H4.
Isotype	Rabbit IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A affinity 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: 0.5 ug/mL - 2 ug/mL</p> <p>ELISA: 0.5 ug/mL - 1 ug/mL</p> <p>Luminex: 0.5 ug/mL - 2 ug/mL</p>

	Immunocytochemistry: 0.5 ug/mL- 2 ug/mL.
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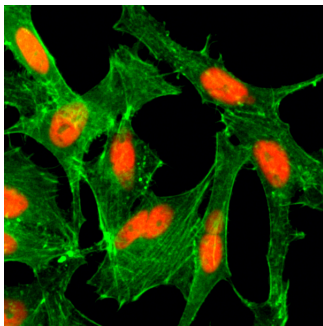
## Anti-Acetyl-Histone H4 (Lys12) HIST1H4A Rabbit Monoclonal Antibody, Clone#RM202 (M14495-10) Images



**Figure 1. Western Blotting result**  
Western Blot of acid extracts from: (1) HeLa cells treated with sodium butyrate; (2) HeLa cells untreated. Using RM202 at 0.5 ug/mL, showed a band of Histone H4 acetylated at Lysine 12 in HeLa cells.



**Figure 2. Specificity Test result**  
RM202 specifically reacts to Histone H4 acetylated at Lysine 12 (K12ac). No cross reactivity with unmodified Lysine 12 (K126 ctrl), acetylated Lysine 5 (K5ac), Lysine 8 (K8ac), Lysine 16 (K16ac), Lysine 20 (K20ac), Lysine 31 (K31ac), or Lysine 91 (K91) in Histone H4.



**Figure 3. ICC result**  
Immunocytochemistry of HeLa cells treated with sodium butyrate, using Acetyl-Histone H4 (Lys12) Rabbit Monoclonal Antibody (Clone RM202) (red). Actin filaments have been labeled with fluorescein phalloidin (green).

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