

## Anti-Crotonyl-Histone H3 (Lys9) H3F3A Rabbit Monoclonal Antibody, Clone#RM339

Catalog Number: M06819-27

### Overview

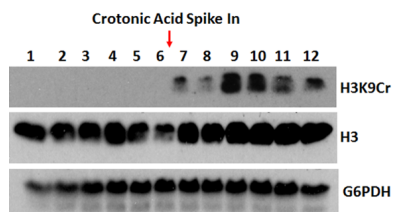
Product Name	Anti-Crotonyl-Histone H3 (Lys9) H3F3A Rabbit Monoclonal Antibody, Clone#RM339
Reactive Species	Human, Vertebrates
Description	Boster Bio Anti-Crotonyl-Histone H3 (Lys9) H3F3A Rabbit Monoclonal Antibody, Clone#RM339 (Catalog # M06819-27). Tested in WB, Dot blot, Luminex applications. This antibody reacts with Human, Vertebrates.
Application	Dot blot, WB, Luminex
Clonality	Monoclonal RM339
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

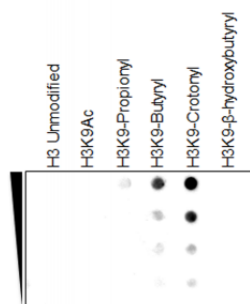
Immunogen	A crotonyl-peptide corresponding to Crotonyl-Histone H3 (Lys9).
Cross Reactivity	This antibody reacts to Histone H3 crotonylated at Lysine 9 (K9cr), and does not cross-react with acetylated or butyrylated Lysine 9. No cross-reactivity with other crotonylated Lysines in histone H3
Isotype	Rabbit 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>WB: 1 ug/mL – 5 ug/mL</p> <p>DotBlot: 0.5 ug/mL – 2 ug/mL</p> <p>Luminex: 0.05 ug/mL – 0.5 ug/mL.</p>



## Anti-Crotonyl-Histone H3 (Lys9) H3F3A Rabbit Monoclonal Antibody, Clone#RM339 (M06819-27) Images



**Figure 1. Western Blotting result**  
Western Blot using Anti-Histone H3K9cr Rabbit Monoclonal Antibody RM339 against H3K9cr [Crotonyl-Histone H3 (Lys9)]. Anti-Histone H3 and anti-G6PDH were used as controls. A crotonylation inducing metabolite was used to increase the H3K9cr signal.



**Figure 2. Dot Blot result**  
A Peptide dotblot showing Anti-Histone H3K9cr Rabbit Monoclonal Antibody RM339 reacts specifically to Histone H3 crotonylated at Lysine 9 (H3K9-Crotonyl), and RM339

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