## **Product Datasheet**

### Histone H3 [Crotonyl Lys9] Antibody (RM339) NBP2-77404

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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#### NBP2-77404

Histone H3 [Crotonyl Lys9] Antibody (RM339)

Product Information   Unit Size 100 ug   Concentration 1 mg/ml   Storage Store at -20C. Avoid freeze-thaw cycles.   Clonality Monoclonal   Clone RM339   Preservative 0.09% Sodium Azide   Isotype IgG   Purity Protein A purified   Buffer 50% Glycerol/PBS, 1% BSA   Target Molecular Weight 15 kDa   Product Description Host   Host Rabbit   Gene ID 126961   Gene Symbol H3C14   Species Human, Vertebrate   Species Human, Vertebrate   Species No cross reactivity with other crotonylated bylated or butyrylated crotonylated at Lysine 9, and does not cross-react with acetylated or butyrylated Lysines in Histone H3 [Crotonyl Lys9] antibody (RM339) was raised against a crotonyl-peptide corresponding to Histone H3 [Crotonyl Lys9].   Product Application Details Mestern Blot, Dot Blot, Multiplex Immunoassay   Applications Western Blot, Dot Blot, Multiplex Immunoassay   Recommended Dilutions Western Blot, Dot Blot, Multiplex Immunoassay	· · · · · · · · · · · · · · · · · · ·	
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mindificationary 0.00 kg/mi	Recommended Dilutions	Western Blot 1 ug/ml - 5 ug/ml, Dot Blot 0.5 ug/ml - 2 ug/ml, Multiplex Immunoassay 0.05 ug/ml - 0.5 ug/ml



H3K9Cr

G6PDH

H3

#### Images Western Blot: Histone H3 [Crotonyl Lys9] Antibody (RM339) [NBP2-**Crotonic Acid Spike In** 77404] - Western Blot using NBP2-77404 against H3K9cr [Crotonyl-2 3 4 5 6 7 8 9 10 11 12 Histone H3 (Lys9)]. Anti-Histone H3 and anti-G6PDH were used as 1 controls. A crotonylation inducing metabolite was used to increase the H3K9cr signal. Theoretical molecular weight is ~15 kDa Dot Blot: Histone H3 [Crotonyl Lys9] Antibody (RM339) [NBP2-77404] -H3K9-B-hydroxybutyryl A Peptide dot blot showing NBP2-77404 reacts specifically to Histone H3 crotonylated at Lysine 9 (H3K9-Crotonyl), and NBP2-77404's cross-H3K9-Propionyl H3 Unmodified H3K9-Crotonyl reactivity with different peptides. H3K9-Butyryl H3K9Ac

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#### Products Related to NBP2-77404

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-1252PEP	Histone H3 [Dimethyl Lys36] Antibody Blocking Peptide

#### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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