

# Product Datasheet

## Histone H3 [Dimethyl Lys9] Antibody (RM151) NBP2-61534

Unit Size: 100 ug

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

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**NBP2-61534**

Histone H3 [Dimethyl Lys9] Antibody (RM151)

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RM151
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	50% Glycerol/PBS, 1% BSA
Target Molecular Weight	15 kDa

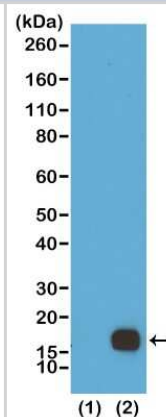
Product Description	
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Vertebrate
Specificity/Sensitivity	This Histone H3 [Dimethyl Lys9] antibody (RM151) reacts to Histone H3 dimethylated at Lysine 9. No cross reactivity with monomethylated Lysine 9 or trimethylated Lysine 9, or other methylation in Histone H3.
Immunogen	This Histone H3 [Dimethyl Lys9] antibody (RM151) was raised against a dimethyl-peptide corresponding to Histone H3 [Dimethyl Lys9]

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Chromatin Immunoprecipitation (ChIP), Multiplex Immunoassay
Recommended Dilutions	Western Blot 0.25 ug/ml - 1 ug/ml, ELISA 0.2 ug/mL - 1 ug/mL, Immunocytochemistry/ Immunofluorescence 0.5 ug/ml - 2 ug/ml, Chromatin Immunoprecipitation (ChIP) 2 ug/mL- 10 ug/mL, Multiplex Immunoassay 0.1 ug/ml - 0.5 ug/ml

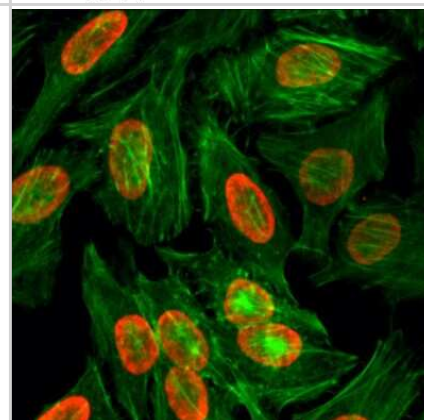


## Images

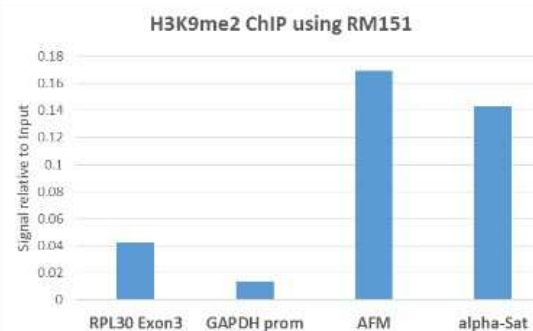
**Western Blot: Histone H3 [Dimethyl Lys9] Antibody (RM151) [NBP2-61534]** - Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using NBP2-61534 at 0.5 ug/ml. Observed molecular weight is ~17 kDa.



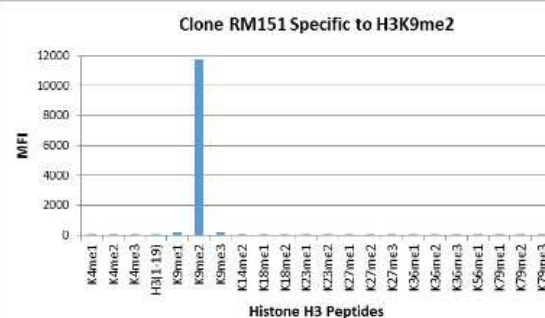
**Immunocytochemistry/Immunofluorescence: Histone H3 [Dimethyl Lys9] Antibody (RM151) [NBP2-61534]** - Immunocytochemistry of HeLa cells, using NBP2-61534 (red). Actin filaments have been labeled with fluorescein phalloidin (green).



**Chromatin Immunoprecipitation: Histone H3 [Dimethyl Lys9] Antibody (RM151) [NBP2-61534]** - ChIP performed on HeLa cells using 5ug NBP2-61534. Real-time PCR was performed using primers specific to the gene indicated.



**Multiplex Immunoassay: Histone H3 [Dimethyl Lys9] Antibody (RM151) [NBP2-61534]** - NBP2-61534 specifically reacts to Histone H3 dimethylated at Lysine 9 (K9me2). No cross reactivity with non-modified Lysine 9 (H3 1-19), monomethylated Lysine 9 (K9me1), trimethylated Lysine 9 (K9me3), or other methylations in Histone H3.





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### **Products Related to NBP2-61534**

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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

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### **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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