

# Product Datasheet

## Histone H3 [Monomethyl Lys79] Antibody (RM147) NBP2-61531

Unit Size: 100 ug

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

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Updated 10/23/2024 v.20.1

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**NBP2-61531**

Histone H3 [Monomethyl Lys79] Antibody (RM147)

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RM147
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	50% Glycerol/PBS, 1% BSA
Target Molecular Weight	15 kDa

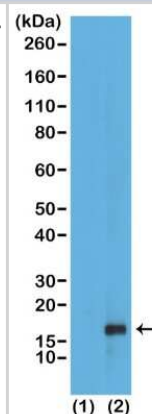
Product Description	
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Vertebrate
Specificity/Sensitivity	This Histone H3 [Monomethyl Lys79] antibody (RM147) reacts to Histone H3 monomethylated at Lysine 79. No cross reactivity with dimethylated Lysine 79 or trimethylated Lysine 79, or other methylations in histone H3.
Immunogen	This Histone H3 [Monomethyl Lys79] antibody (RM147) was raised against a monomethyl-peptide corresponding to Histone H3 [Monomethyl Lys79]

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

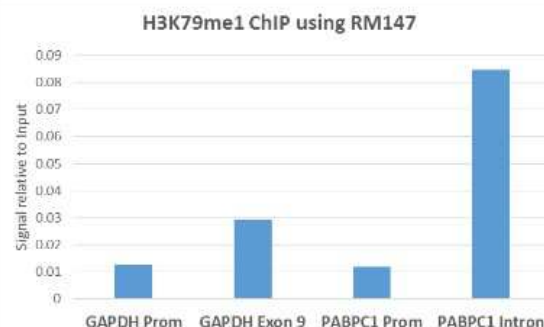


## Images

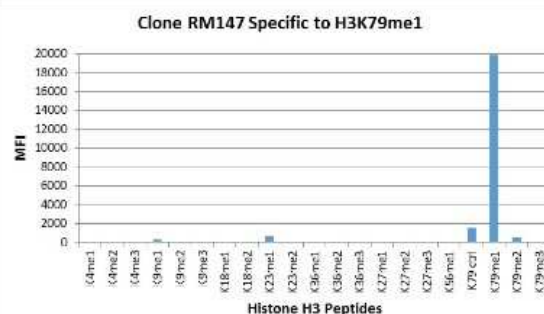
Western Blot: Histone H3 [Monomethyl Lys79] Antibody (RM147) [NBP2-61531] - Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using NBP2-61531 at 1 ug/ml. Observed molecular weight is ~17 kDa.



Chromatin Immunoprecipitation: Histone H3 [Monomethyl Lys79] Antibody (RM147) [NBP2-61531] - ChIP performed on HeLa cells using H3K79me1 antibody (NBP2-61531). Real-time PCR was performed using primers specific to the gene indicated.



Multiplex Immunoassay: Histone H3 [Monomethyl Lys79] Antibody (RM147) [NBP2-61531] - NBP2-61531 specifically reacts to Histone H3 monomethylated at Lysine 79 (K79me1). No cross reactivity with dimethylated Lysine 79 (K79me2) or trimethylated Lysine 79 (K79me3), or other methylations in histone H3.





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### **Products Related to NBP2-61531**

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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
NB21-1022PEP	Histone H3 [Dimethyl Lys4] 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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