

# Product Datasheet

## Histone H3 [Unmodified Lys4] Antibody (RM186) NBP2-61543

Unit Size: 100 ug

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

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**NBP2-61543**

Histone H3 [Unmodified Lys4] Antibody (RM186)

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RM186
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	50% Glycerol/PBS, 1% BSA
Target Molecular Weight	15 kDa

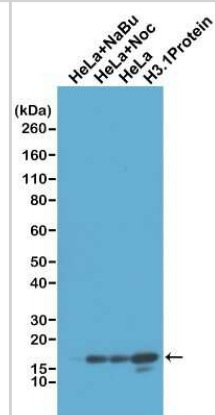
Product Description	
Description	Novus Biologicals Rabbit Histone H3 [Unmodified Lys4] Antibody (RM186) (NBP2-61543) is a recombinant monoclonal antibody validated for use in Multiplex Immunofluorescence, WB, ELISA and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Vertebrate
Specificity/Sensitivity	This Histone H3 [Unmodified Lys4] antibody (RM186) recognizes Histone H3 that is unmodified at Lys4 but does not recognize acetylated or methylated Lys4. The antibody binding specificity allows for modifications of Arg2, Thr3, and/or other modifications in Histone H3.
Immunogen	This Histone H3 [Unmodified Lys4] antibody (RM186) was raised against an unmodified peptide corresponding to the N-terminus of Histone H3

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Multiplex Immunofluorescence
Recommended Dilutions	Western Blot 1 ug/ml - 2 ug/ml, ELISA 0.5 ug/mL - 1 ug/mL, Immunocytochemistry/ Immunofluorescence 0.5 ug/ml - 2 ug/ml, Multiplex Immunofluorescence

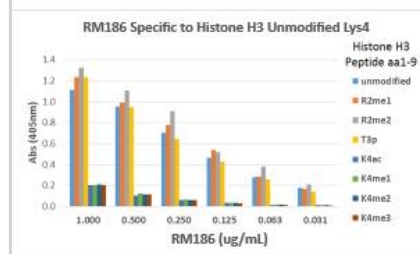


## Images

Western Blot: Histone H3 [Unmodified Lys4] Antibody (RM186) [NBP2-61543] - Western Blot of acid extracts of HeLa cells treated with sodium butyrate (HeLa+NaBu), treated with Nocodazole (HeLa+Noc), or non-treated; and recombinant Histone H3.1 protein, using NBP2-61543, showed a band of Histone H3 unmodified at Lys4. Observed molecular weight is ~17 kDa.



Multiplex Immunoassay: Histone H3 [Unmodified Lys4] Antibody (RM186) [NBP2-61543] - NBP2-61543 specifically recognizes Histone H3 unmodified at Lys4 and does not recognize acetylated, monomethylated, dimethylated, or trimethylated Lys4. The antibody binding specificity allows for modifications of Arg2 or Thr3 in Histone H3.





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### **Products Related to NBP2-61543**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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