

# Product Datasheet

## Histone H3 [ac Lys9] Antibody (RM161) NBP2-61536

Unit Size: 100 ug

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

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**NBP2-61536****Histone H3 [ac Lys9] Antibody (RM161)****Product Information**

<b>Unit Size</b>	100 ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	RM161
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	50% Glycerol/PBS, 1% BSA
<b>Target Molecular Weight</b>	15 kDa

**Product Description**

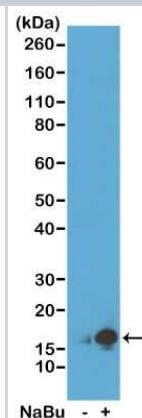
<b>Description</b>	Novus Biologicals Rabbit Histone H3 [ac Lys9] Antibody (RM161) (NBP2-61536) is a recombinant monoclonal antibody validated for use in Multiplex Immunofluorescence, IHC, WB, ELISA, ICC/IF and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	126961
<b>Gene Symbol</b>	H3C14
<b>Species</b>	Human, Vertebrate
<b>Specificity/Sensitivity</b>	This Histone H3 [ac Lys9] antibody (RM161) reacts to Histone H3 acetylated at Lysine 9. No cross reactivity with other acetylated Lysines in Histone H3.
<b>Immunogen</b>	This Histone H3 [ac Lys9] antibody (RM161) was raised against an acetyl-peptide corresponding to the Histone H3 [ac Lys9]

**Product Application Details**

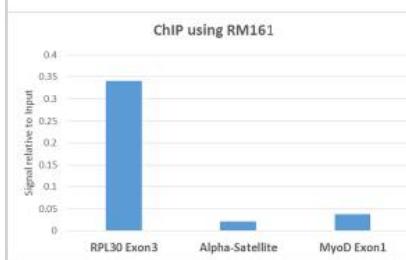
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP), Multiplex Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 0.25 ug/ml-1 ug/ml, ELISA 0.2 ug/mL - 1 ug/mL, Immunohistochemistry 0.1 ug/ml - 1 ug/ml, Immunocytochemistry/ Immunofluorescence 0.5 ug/ml - 2 ug/ml, Chromatin Immunoprecipitation (ChIP) 2 ug/mL-10 ug/mL, Multiplex Immunofluorescence

## Images

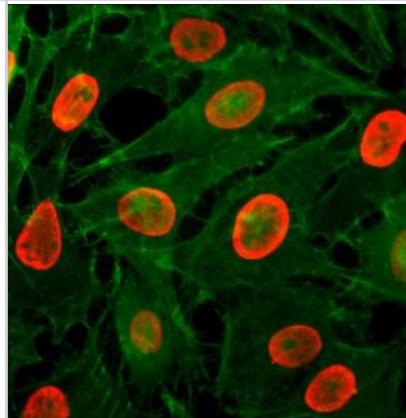
Western Blot: Histone H3 [ac Lys9] Antibody (RM161) [NBP2-61536] - Western Blot of acid extracts from HeLa cells untreated (-) or treated (+) with Sodium Butyrate, using NBP2-61536 at 0.25 ug/ml. Observed molecular weight is ~17 kDa.



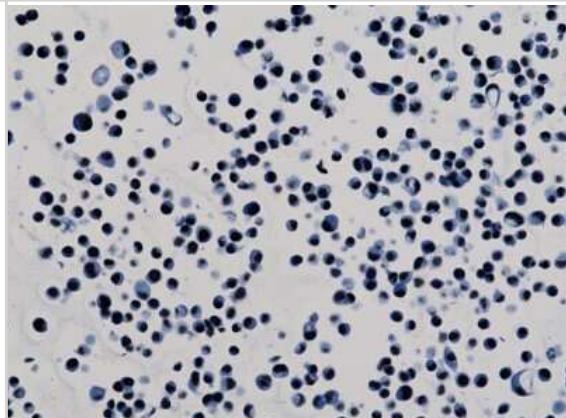
Chromatin Immunoprecipitation: Histone H3 [ac Lys9] Antibody (RM161) [NBP2-61536] - ChIP performed on HeLa cells using Clone RM161 (5ug). Real-time PCR was performed using primers specific to the gene indicated.



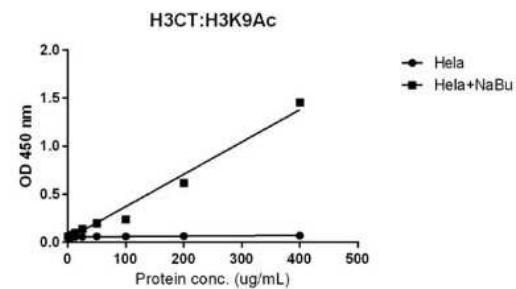
Immunocytochemistry/Immunofluorescence: Histone H3 [ac Lys9] Antibody (RM161) [NBP2-61536] - Immunocytochemistry of HeLa cells treated with sodium butyrate, using NBP2-61536 (red). Actin filaments have been labeled with fluorescein phalloidin (green).



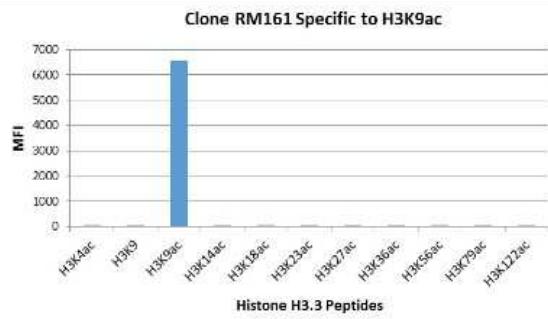
Immunohistochemistry: Histone H3 [ac Lys9] Antibody (RM161) [NBP2-61536] - Immunohistochemistry staining of HepG2 cells using NBP2-61536.



ELISA: Histone H3 [ac Lys9] Antibody (RM161) [NBP2-61536] - Sandwich ELISA using HeLa whole cell lysate, treated or untreated with Sodium Butyrate. Using NBP2-61547 at 1 ug/ml as the capture antibody and NBP2-61536 at 1 ug/ml as the detection antibody.



Multiplex Immunoassay: Histone H3 [ac Lys9] Antibody (RM161) [NBP2-61536] - NBP2-61536 specifically reacts to Histone H3 acetylated at Lysine 9 (K9ac). No cross reactivity with acetylated Lysine 4 (K4ac), Lysine 14 (K14ac), Lysine 18 (K18ac), Lysine 23 (K23ac), Lysine 27 (K27ac), Lysine 36 (K36ac), Lysine 56 (K56ac), lysine 79 (K79ac), or Lysine 122 (K122) in histone H3.





## Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

## Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

## Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

## General Contact Information

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

## Products Related to NBP2-61536

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-1001PEP	Histone H3 [Monomethyl Arg2] 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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