

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

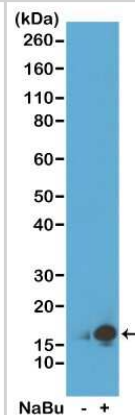
| Product Description     |                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description             | Novus Biologicals Rabbit Histone H3 [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. |
| Host                    | Rabbit                                                                                                                                                                                                                                                                   |
| Gene ID                 | 126961                                                                                                                                                                                                                                                                   |
| Gene Symbol             | H3C14                                                                                                                                                                                                                                                                    |
| Species                 | Human, Vertebrate                                                                                                                                                                                                                                                        |
| Specificity/Sensitivity | 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.                                                                                                                 |
| Immunogen               | This Histone H3 [ac Lys9] antibody (RM161) was raised against an acetyl-peptide corresponding to the Histone H3 [ac Lys9]                                                                                                                                                |

| Product Application Details |                                                                                                                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP), Multiplex Immunofluorescence                                                                                                 |
| Recommended Dilutions       | 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 |

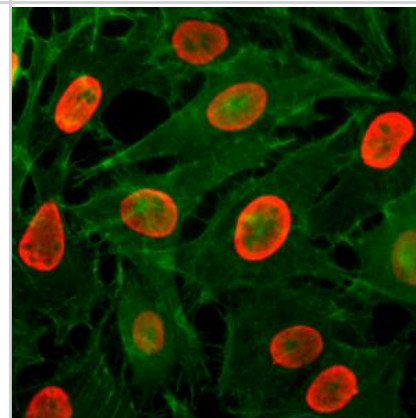


## Images

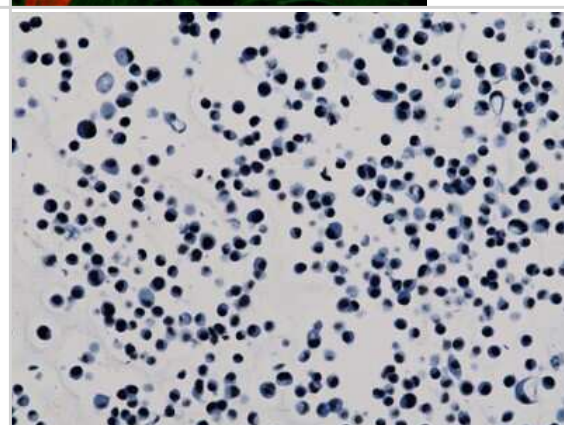
Western Blot: Histone H3 [ac Lys9] Antibody (RM161) [NBP2-61536] - Western Blot of acid extracts from HeLa cells untreated (-) or treated (+) with Sodium Butyrate, using NBP2-61536 at 0.25 ug/ml. Observed molecular weight is ~17 kDa.



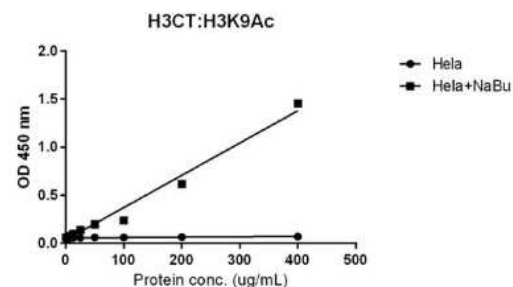
Immunocytochemistry/ Immunofluorescence: Histone H3 [ac Lys9] Antibody (RM161) - Azide and BSA Free [NBP2-61536] - Immunocytochemistry of HeLa cells treated with sodium butyrate, using Clone RM161 (red). Actin filaments have been labeled with fluorescein phalloidin (green).



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.





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### **Products Related to NBP2-61536**

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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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