

# Product Datasheet

## Histone H3 [Unmodified Lys4] Antibody (RM186) - Azide and BSA Free NBP3-26014

Unit Size: 100 ug

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

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**NBP3-26014**

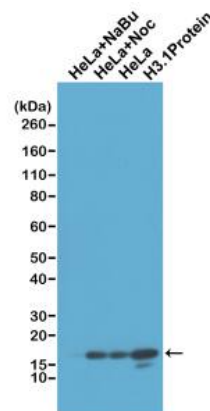
Histone H3 [Unmodified Lys4] Antibody (RM186) - Azide and BSA Free

| <b>Product Information</b>         |  |
|------------------------------------|--|
| <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>                       | RM186  |
| <b>Preservative</b>                | No Preservative  |
| <b>Isotype</b>                     | IgG  |
| <b>Purity</b>                      | Protein A purified   |
| <b>Buffer</b>                      | PBS  |
| <b>Product Description</b>         |  |
| <b>Description</b>                 | Novus Biologicals Rabbit Histone H3 [Unmodified Lys4] Antibody (RM186) - Azide and BSA Free (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. |
| <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 [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.               |
| <b>Immunogen</b>                   | This Histone H3 [Unmodified Lys4] antibody (RM186) was raised against an unmodified peptide corresponding to the N-terminus of Histone H3  |
| <b>Product Application Details</b> |  |
| <b>Applications</b>                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Multiplex Immunofluorescence   |
| <b>Recommended Dilutions</b>       | 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   |

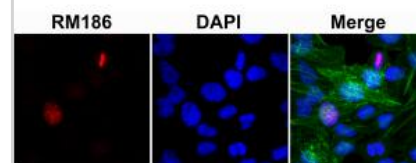


## Images

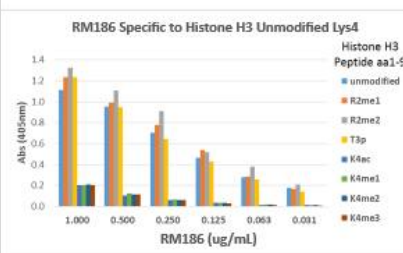
Western Blot: Histone H3 [Unmodified Lys4] Antibody (RM186) - Azide and BSA Free [NBP3-26014] - Western Blot of acid extracts of HeLa cells treated with sodium butyrate (HeLa+NaBu), treated with Nocodazole (HeLa+Noc), or non-treated; and recombinant Histone H3.1 protein, using RM186 at 1 ug/mL, showed a band of Histone H3 unmodified at Lys4.



Immunocytochemistry/ Immunofluorescence: Histone H3 [Unmodified Lys4] Antibody (RM186) - Azide and BSA Free [NBP3-26014] - Immunocytochemical staining of HeLa cells using Clone RM186 (red). Actin filaments have been labeled with fluorescein phalloidin (green), and nuclei stained with DAPI (blue).



Multiplex Immunoassay: Histone H3 [Unmodified Lys4] Antibody (RM186) [NBP3-26014] - RM186 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 NBP3-26014**

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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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