

# Product Datasheet

## MCM7 Antibody - BSA Free

### NBP1-31350

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP1-31350**

MCM7 Antibody - BSA Free

| Product Information            |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 0.1 ml   |
| <b>Concentration</b>           | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>                 | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.   |
| <b>Clonality</b>               | Polyclonal   |
| <b>Preservative</b>            | 0.01% Thimerosal   |
| <b>Isotype</b>                 | IgG  |
| <b>Purity</b>                  | Antigen Affinity-purified  |
| <b>Buffer</b>                  | 0.1M Tris, 0.1M Glycine, 10% Glycerol  |
| <b>Target Molecular Weight</b> | 81 kDa   |

| Product Description     |   |
|-------------------------|---|
| <b>Description</b>      | Novus Biologicals Rabbit MCM7 Antibody - BSA Free (NBP1-31350) is a polyclonal antibody validated for use in IHC, WB, ICC/IF, IP and ChIP. Anti-MCM7 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>             | Rabbit  |
| <b>Gene ID</b>          | 4176  |
| <b>Gene Symbol</b>      | MCM7  |
| <b>Species</b>          | Human   |
| <b>Reactivity Notes</b> | Immunogen displays the following percentage of sequence identity for non-tested species: Zebrafish (85%).   |
| <b>Immunogen</b>        | Recombinant protein encompassing a sequence within the center region of human MCM7. The exact sequence is proprietary.  |

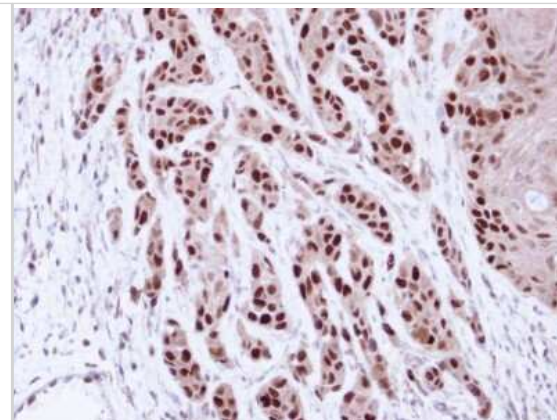
| Product Application Details  |   |
|------------------------------|---|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)  |
| <b>Recommended Dilutions</b> | Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Chromatin Immunoprecipitation (ChIP) Assay dependent |

**Images**

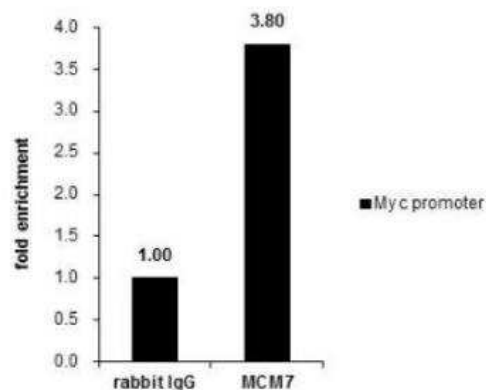
Immunocytochemistry/Immunofluorescence: MCM7 Antibody [NBP1-31350] - Paraformaldehyde-fixed HeLa, using antibody at 1:200 dilution.



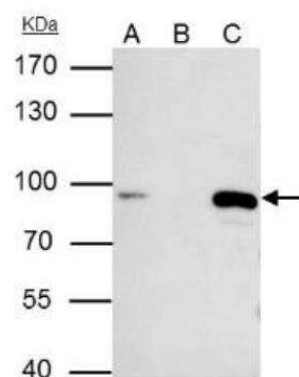
Immunohistochemistry-Paraffin: MCM7 Antibody [NBP1-31350] - Paraffin-embedded Cal27 Xenograft, using antibody at 1:100 dilution.



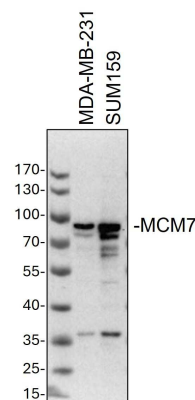
Chromatin Immunoprecipitation (ChIP): MCM7 Antibody [NBP1-31350] - Cross-linked ChIP was performed with HeLa chromatin extract and 5 ug of either control rabbit igG or anti-MCM7 antibody. The precipitated DNA was detected by PCR with primer set targeting to Myc promoter.



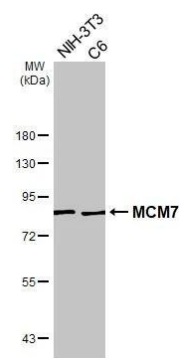
Immunoprecipitation: MCM7 Antibody [NBP1-31350] - MCM7 antibody [N2C2], Internal immunoprecipitates MCM7 protein in IP experiments. IP samples: HeLa whole cell extract. A. 40 ug HeLa whole cell extract. B. Control with 4 ug of preimmune Rabbit IgG. C. Immunoprecipitation of MCM7 protein by 4 ug MCM7 antibody [N2C2], Internal. 7.5 % SDS-PAGE. The immunoprecipitated MCM7 protein was detected by MCM7 antibody [N2C2], Internal diluted at 1:1000. [EasyBlot anti-rabbit IgG was used as a secondary reagent]



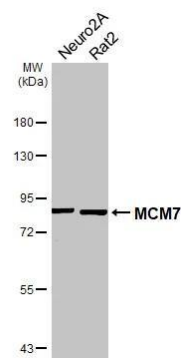
Western Blot: Rabbit Polyclonal MCM7 Antibody [NBP1-31350] - Whole cell lysates from MDA-MB-231 and SUM159 cells were loaded with 50 ug/lane. 10% SDS-PAGE. MCM7 Antibody (NBP1-31350) was used for primary antibody: 1:1000, 4h, overnight. Image from a verified customer review.



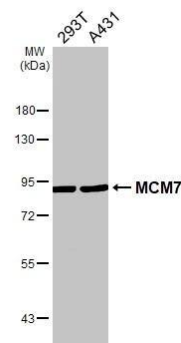
Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MCM7 antibody [N2C2], Internal (NBP1-31350) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



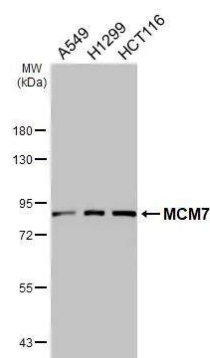
Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MCM7 antibody [N2C2], Internal (NBP1-31350) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MCM7 antibody [N2C2], Internal (NBP1-31350) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MCM7 antibody [N2C2], Internal (NBP1-31350) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

Hubbi ME, Gilkes DM, Hu H et al. Cyclin-dependent kinases regulate lysosomal degradation of hypoxia-inducible factor 1alpha to promote cell-cycle progression. Proc Natl Acad Sci U S A. 2014-07-28 [PMID: 25071185] (WB, Human)

Hubbi ME, Kshitiz, Gilkes DM et al. A nontranscriptional role for HIF-1alpha as a direct inhibitor of DNA replication. Sci Signal 2013-02-12 [PMID: 23405012]

Hubbi ME, Luo W, Baek JH et al. MCM proteins are negative regulators of hypoxia-inducible factor 1 Mol Cell 2011-06-10 [PMID: 21658608] (WB, Human)





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### **Products Related to NBP1-31350**

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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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