

# 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 (pH 7), 0.1M Glycine, 10% Glycerol
<b>Target Molecular Weight</b>	81 kDa

**Product Description**

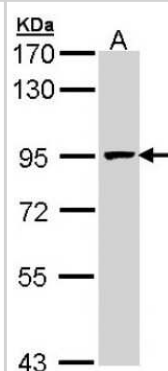
<b>Description</b>	Novus Biologicals Rabbit MCM7 Antibody - BSA Free (NBP1-31350) is a polyclonal antibody validated for use in IHC, WB, ICC/IF, IP and ChIP. Anti-MCM7 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</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**

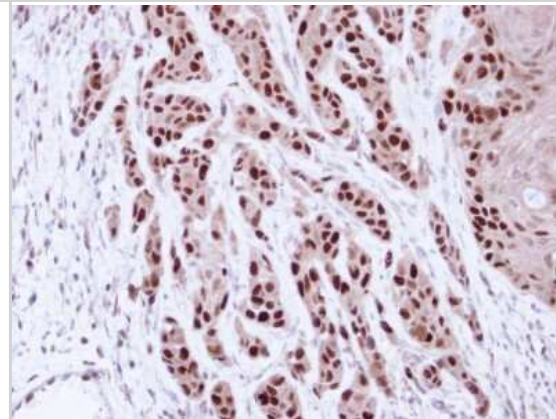
Western Blot: MCM7 Antibody [NBP1-31350] - Sample (30 ug of whole cell lysate) A: H1299 7. 5% SDS PAGE; antibody diluted at 1:1000.



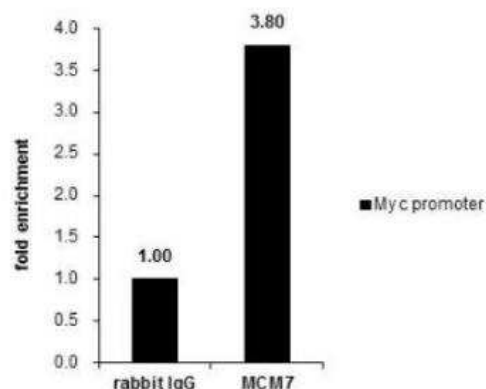
Immunocytochemistry/Immunofluorescence: MCM7 Antibody [NBP1-31350] - Paraformaldehyde-fixed HeLa, using antibody at 1:200 dilution.



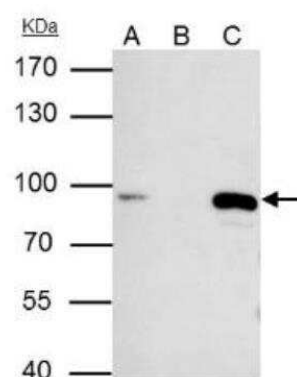
Immunohistochemistry-Paraffin: MCM7 Antibody [NBP1-31350] - Paraffin-embedded Cal27 Xenograft, using antibody at 1:100 dilution.



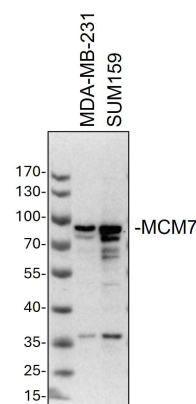
Chromatin Immunoprecipitation (ChIP): MCM7 Antibody [NBP1-31350] - Cross-linked ChIP was performed with HeLa chromatin extract and 5 ug of either control rabbit igG or anti-MCM7 antibody. The precipitated DNA was detected by PCR with primer set targeting to Myc promoter.



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 (GTX110278) 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, 4°C, overnight. Image from a verified customer review.



## 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 D Met 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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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-51540-0.1mg	Recombinant Human MCM7 His Protein

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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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