

# Product Datasheet

## MCM2 [p Ser41] Antibody NB100-2569

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**NB100-2569****MCM2 [p Ser41] Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	TBS and 0.1% BSA

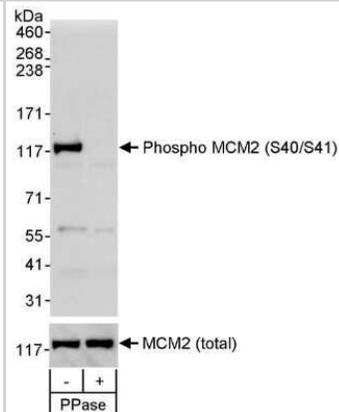
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit MCM2 [p Ser41] Antibody (NB100-2569) is a polyclonal antibody validated for use in IHC, WB and Flow. Anti-MCM2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	4171
<b>Gene Symbol</b>	MCM2
<b>Species</b>	Human
<b>Immunogen</b>	Immunogen was a synthetic di-phosphorylated peptide, which represented a portion of human minichromosomal maintenance deficient 2 surrounding Serines 40 and 41 according to the numbering given in entry NP_004517.2 (GeneID 4171).

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:5000, Flow Cytometry 0.1 ug per 1 - 10 <sup>6</sup> cells , Immunohistochemistry 1:200, Immunohistochemistry-Paraffin 1:200
<b>Application Notes</b>	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

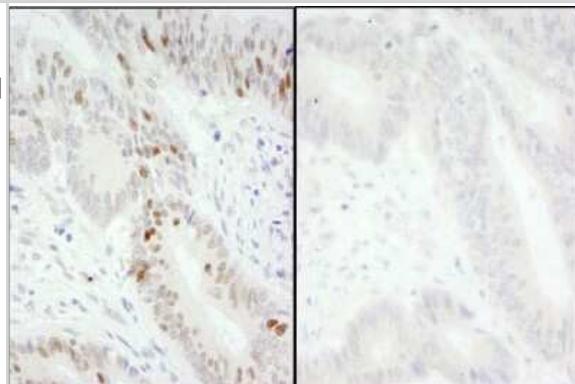


## Images

Western Blot: MCM2 [p Ser41] Antibody [NB100-2569] - Whole cell lysate (50 ug) from asynchronous 293T cells that was mock treated (-) or treated (+) with phosphatases (PPase). Antibody used at 0.1 ug/ml. To examine total MCM2, the blot was stripped and then blotted with rabbit anti-MCM2 antibody at 0.1 ug/



Immunohistochemistry: MCM2 [p Ser41] Antibody [NB100-2569] - Samples: FFPE serial sections of human colon carcinoma. Mock phosphatase treated section (left) and calf intestinal phosphatase-treated section (right). Antibody: Affinity purified rabbit anti-Phospho MCM2 (S40/S41) used at a dilution of 1:200 (1 ug/ml).



Flow Cytometry: MCM2 [p Ser41] Antibody [NB100-2569] - Flow cytometric analysis of phospho-MCM2 (pS40/41). Jurkat cells were fixed in 1.5% PFA, and permeabilized in 90% MeOH.  $1 \times 10^6$  cells were stained with 0.1 mcg/ml anti-phospho- MCM2 (pS40/41) in a 150 mcl volume. DNA content was simultaneously analyzed via PI stain



## 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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### **Products Related to NB100-2569**

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NBL1-12950	MCM2 Overexpression Lysate
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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