

Product Datasheet

MCM2 [p Ser41] Antibody NB100-2569

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Publications: 3

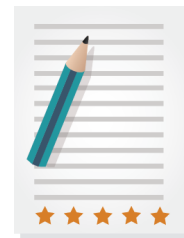
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NB100-2569

MCM2 [p Ser41] Antibody

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

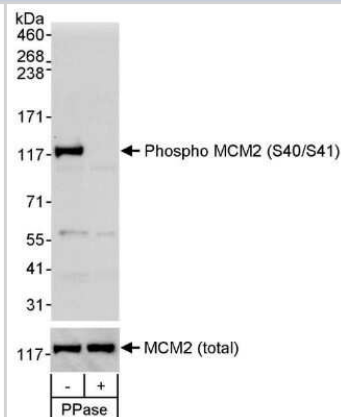
Product Description	
Description	Novus Biologicals Rabbit MCM2 [p Ser41] Antibody (NB100-2569) is a polyclonal antibody validated for use in IHC, WB and Flow. Anti-MCM2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4171
Gene Symbol	MCM2
Species	Human
Immunogen	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).

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

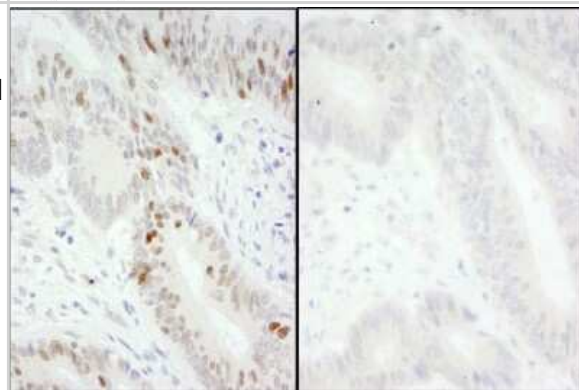


Images

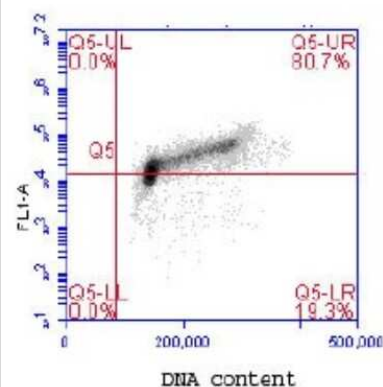
Western Blot: MCM2 [p Ser41] Antibody [NB100-2569] - Whole cell lysate (50 ug) from asynchronous 293T cells that was mock treated (-) or treated (+) with phosphatases (PPase). Antibody used at 0.1 ug/ml. To examine total MCM2, the blot was stripped and then blotted with rabbit anti-MCM2 antibody at 0.1 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. 1×10^6 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

NBL1-12950	MCM2 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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