

Product Datasheet

MCM2 Antibody (PD00-90) NBP3-32576

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-32576

MCM2 Antibody (PD00-90)

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PD00-90
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	102 kDa

Product Description	
Host	Rabbit
Gene ID	4171
Gene Symbol	MCM2
Species	Human
Immunogen	Synthetic peptide within Human MCM2 aa 100-200. (Uniprot: P49736)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:800-1:2000



Images

Western Blot: MCM2 Antibody (PD00-90) [NBP3-32576] - Western blot analysis of MCM2 on different lysates with Rabbit anti-MCM2 antibody (NBP3-32576) at 1/2,000 dilution.

Lane 1: HL-60 cell lysate

Lane 2: SiHa cell lysate

Lysates/proteins at 10 ug/Lane.

Predicted band size: 102 kDa

Observed band size: 130 kDa

Exposure time: 1 minute;

8% SDS-PAGE gel.

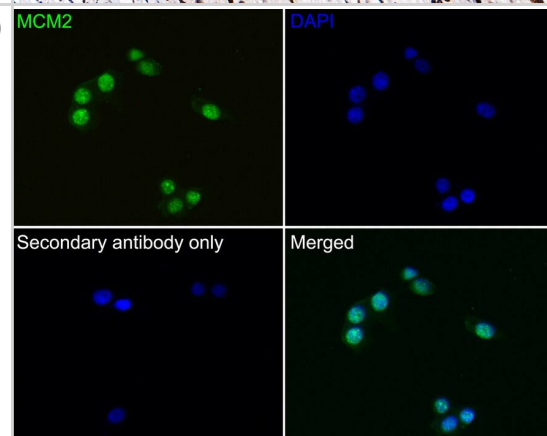
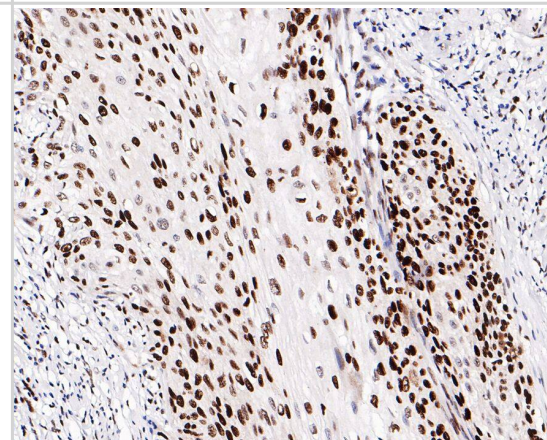
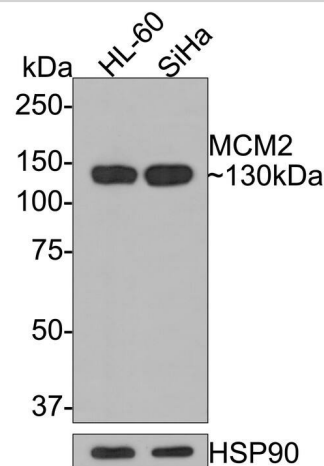
Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32576) at 1/2,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: MCM2 Antibody (PD00-90) [NBP3-32576] - Immunohistochemical analysis of paraffin-embedded human cervical carcinoma tissue with Rabbit anti-MCM2 antibody (NBP3-32576) at 1/800 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32576) at 1/800 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

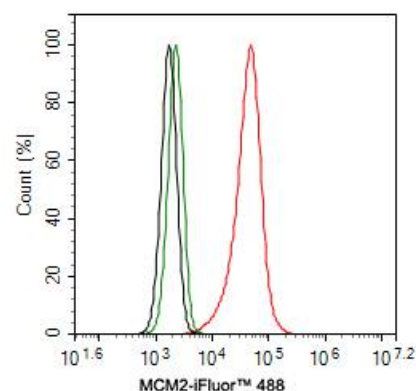
Immunocytochemistry/ Immunofluorescence: MCM2 Antibody (PD00-90) [NBP3-32576] - Immunocytochemistry analysis of LOVO cells labeling MCM2 with Rabbit anti-MCM2 antibody (NBP3-32576) at 1/50 dilution.

Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-MCM2 antibody (NBP3-32576) at 1/50 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Flow Cytometry: MCM2 Antibody (PD00-90) [NBP3-32576] - Flow cytometric analysis of HL-60 cells labeling MCM2.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32576, 1ug/ml) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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Products Related to NBP3-32576

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-33953PEP	MCM2 Recombinant Protein Antigen

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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