

Product Datasheet

MLH1 Antibody (SP08-04) NBP2-67381

Unit Size: 100 ul

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

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NBP2-67381

MLH1 Antibody (SP08-04)

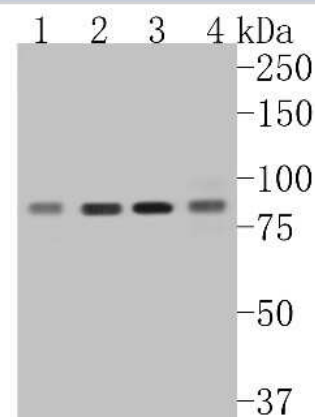
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SP08-04
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit MLH1 Antibody (SP08-04) (NBP2-67381) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4292
Gene Symbol	MLH1
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human MLH1 aa 707-756 / 756. (SwissProt: P40692 Human; SwissProt: Q9JK91 Mouse; SwissProt: P97679 Rat)

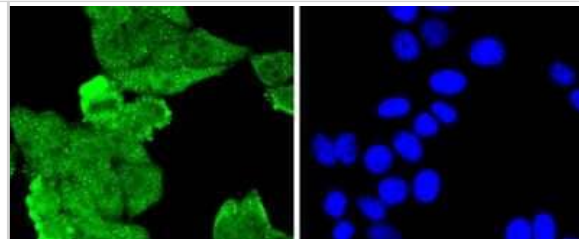
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockout Validated
Recommended Dilutions	Western Blot 1:500-1:1000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:200, Knockout Validated

Images

Western Blot: MLH1 Antibody (SP08-04) [NBP2-67381] - Western blot analysis of MLH1 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabb



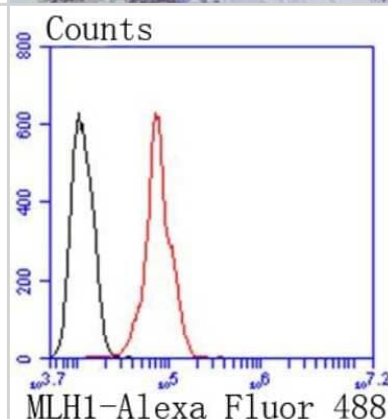
Immunocytochemistry/Immunofluorescence: MLH1 Antibody (SP08-04) [NBP2-67381] - Staining MLH1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



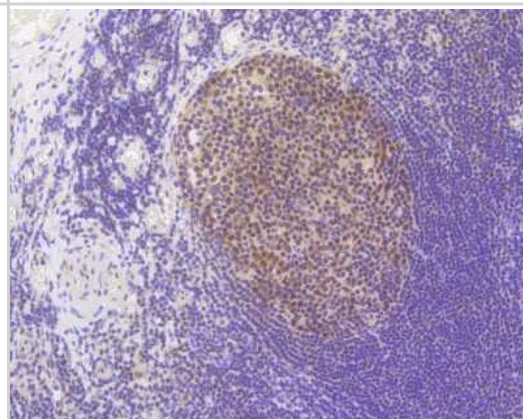
Immunohistochemistry-Paraffin: MLH1 Antibody (SP08-04) [NBP2-67381] - Immunohistochemical analysis of paraffin-embedded rat large intestine tissue using anti-MLH1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (ET1604-41, 1/200) for 30 minutes 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.



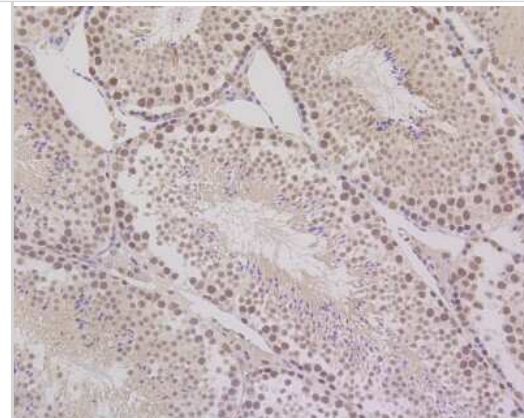
Flow Cytometry: MLH1 Antibody (SP08-04) [NBP2-67381] - Analysis of HeLa cells with MLH1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



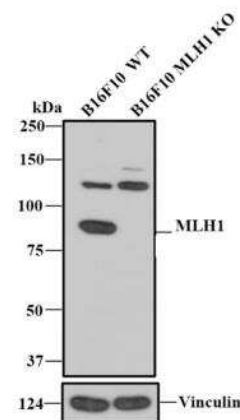
Immunohistochemistry-Paraffin: MLH1 Antibody (SP08-04) [NBP2-67381] - Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-MLH1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (ET1604-41, 1/200) for 30 minutes 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.



Immunohistochemistry-Paraffin: MLH1 Antibody (SP08-04) [NBP2-67381] - Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-MLH1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (ET1604-41, 1/200) for 30 minutes 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.



Western Blot: MLH1 Antibody (SP08-04) [NBP2-67381] - All lanes: Western blot analysis of MLH1 with anti-MLH1 antibody [SP08-04] at 1:1,000 dilution. Lane 1: Wild-type B16F10 whole cell lysate. Lane 2: MLH1 knockout B16F10 whole cell lysate. NBP2-67381 was shown to specifically react with MLH1 in wild-type B16F10 cells. No band was observed when MLH1 knockout samples were tested. Wild-type and MLH1 knockout samples were subjected to SDS-PAGE. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM in TBST for 1 hour at room temperature. The primary Anti-MLH1 antibody (1/1,000) and Anti-Vinculin antibody (1/5,000) were used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG H&L (HRP) Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature.





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Products Related to NBP2-67381

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

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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