

Product Datasheet

MDR1/ABCB1 Antibody (SN06-42) NBP2-67667

Unit Size: 100 ul

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

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NBP2-67667**MDR1/ABCB1 Antibody (SN06-42)**

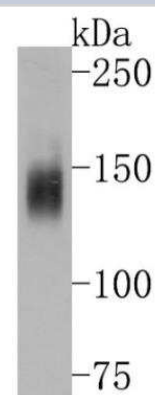
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SN06-42
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit MDR1/ABCB1 Antibody (SN06-42) (NBP2-67667) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-MDR1/ABCB1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5243
Gene Symbol	ABCB1
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human MDR1/ABCB1 aa 373-730 / 1,280. (SwissProt: P08183 Human; SwissProt: P06795 Mouse; SwissProt: P43245 Rat)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:50-1:200, Immunohistochemistry-Frozen
Application Notes	Use in ICC/IF reported in scientific literature (PMID: 31527311).

Images

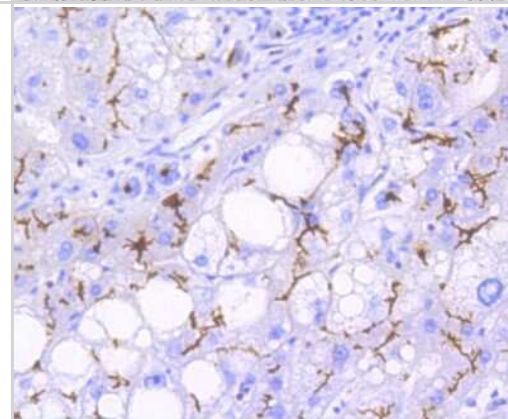
Western Blot: MDR1/ABCB1 Antibody (SN06-42) [NBP2-67667] - Analysis of P Glycoprotein on mouse heart tissue lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature.



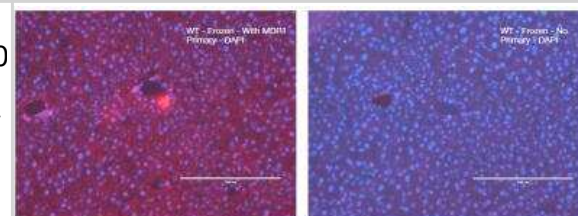
Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody (SN06-42) [NBP2-67667] - Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-MDR1/ABCB1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/50) 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.



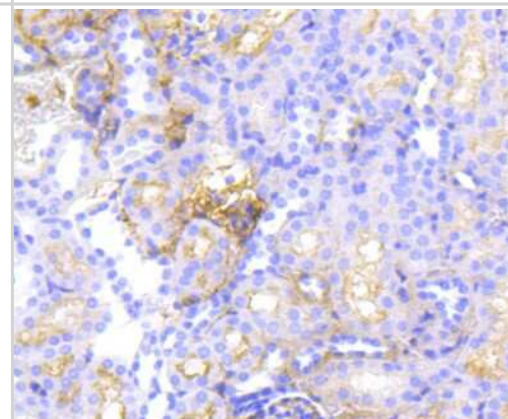
Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody (SN06-42) [NBP2-67667] - Analysis of paraffin-embedded human liver tissue using anti-P Glycoprotein antibody. Counter stained with hematoxylin.



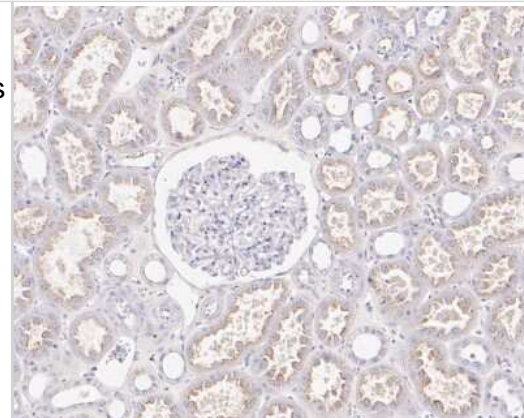
Immunohistochemistry-Frozen: MDR1/ABCB1 Antibody (SN06-42) [NBP2-67667] - Mouse (B6) liver tissue. Fixed in ice-cold methanol for 10 minutes. Blocking in 10% serum and 1% BSA. Primary antibody at 5 ug/mL, overnight incubation. Secondary antibody at 2 ug/mL for 1.5 hour (Invitrogen A-11012). Mounting with Vector Vectashield with DAPI. Image from a verified customer review.



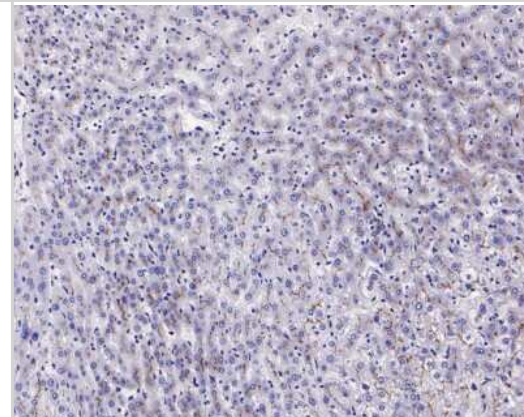
Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody (SN06-42) [NBP2-67667] - Analysis of paraffin-embedded mouse kidney tissue using anti-P Glycoprotein antibody. Counter stained with hematoxylin.



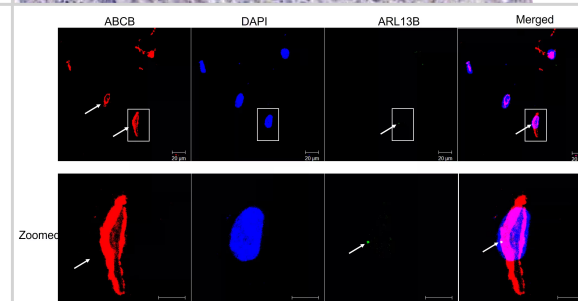
Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody (SN06-42) [NBP2-67667] - Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-MDR1/ABCB1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/50) 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: MDR1/ABCB1 Antibody (SN06-42) [NBP2-67667] - Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-MDR1/ABCB1 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 (1/50) 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.



Immunocytochemistry/Immunofluorescence: Rabbit Monoclonal MDR1/ABCB1 Antibody (SN06-42) [NBP2-67667] - Human brain microvascular endothelial cells stained for ABCB1, red and ciliary MDR1/ABCB1 green and nuclear DAPI blue. Image from a verified customer review.



Publications

Birthe Gericke, Inka Wienböcker, Gudrun Brandes, Wolfgang Löscher, Xuesong Chen Is P-Glycoprotein Functionally Expressed in the Limiting Membrane of Endolysosomes? A Biochemical and Ultrastructural Study in the Rat Liver Cells 2022-05-05 [PMID: 35563868] (Immunocytochemistry/ Immunofluorescence)

Pierre-Alexandre Piec, Vincent Pons, Paul Préfontaine, Serge Rivest, Daniele Nosi Muramyl Dipeptide Administration Delays Alzheimer's Disease Physiopathology via NOD2 Receptors Cells 2022-07-19 [PMID: 35883683] (Immunocytochemistry/ Immunofluorescence)

Mercadante CJ, Prajapati M, Conboy HL et al. Manganese transporter Slc30a10 controls physiological manganese excretion and toxicity J. Clin. Invest. [PMID: 31527311] (ICC/IF)



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Products Related to NBP2-67667

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00005243-Q01-10ug	Recombinant Human MDR1/ABCB1 GST (N-Term) Protein

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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