

Product Datasheet

MDR1/ABCB1 Antibody - BSA Free NBP1-90291

Unit Size: 0.1 ml

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

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Publications: 5

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NBP1-90291

MDR1/ABCB1 Antibody - BSA Free

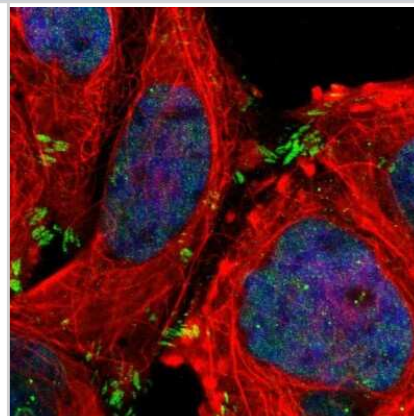
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit MDR1/ABCB1 Antibody - BSA Free (NBP1-90291) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-MDR1/ABCB1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5243
Gene Symbol	ABCB1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: IAHRLSTVRNADVIAGFDDGVIVEKGNHDELMKEKGIYFKLVMTMQTAGNEVELE NAADESKSEIDALEMSSNDRSSLIRKRSTRRSVGRSQAQDRKLSKALDE

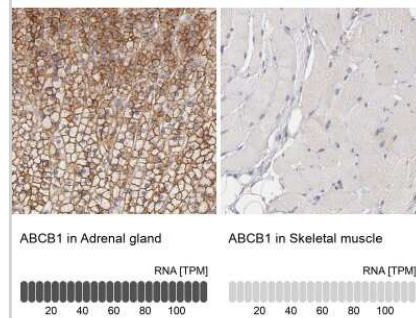
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

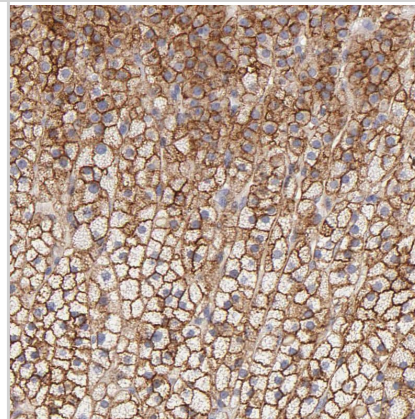
Immunocytochemistry/Immunofluorescence: MDR1/ABCB1 Antibody [NBP1-90291] - Staining of human cell line A-431 shows localization to nucleoplasm & focal adhesion sites. Antibody staining is shown in green.



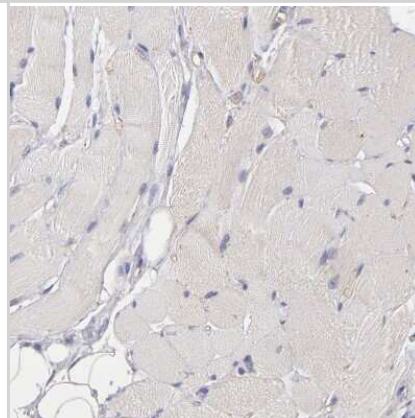
Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody [NBP1-90291] - Analysis in human adrenal gland and skeletal muscle tissues. Corresponding MDR1/ABCB1 RNA-seq data are presented for the same tissues.



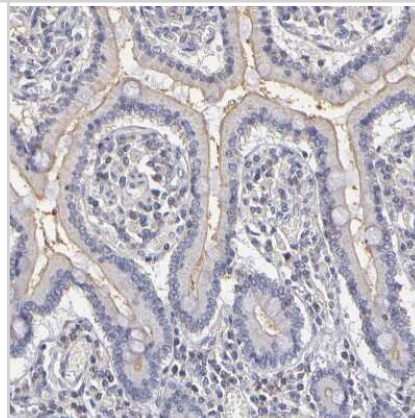
Staining of human adrenal gland shows strong membranous positivity in glandular cells.



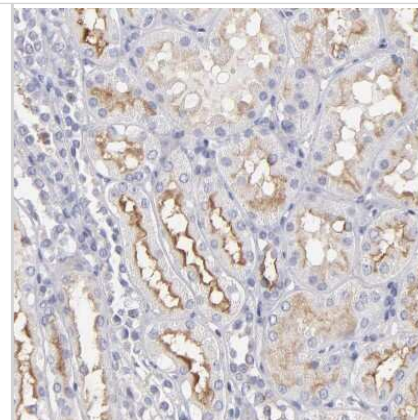
Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody [NBP1-90291] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



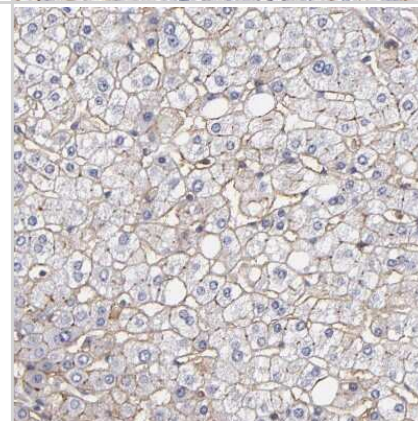
Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody [NBP1-90291] - Staining of human small intestine shows moderate positivity in apical membrane in glandular cells.



Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody [NBP1-90291] - Staining of human kidney shows moderate positivity in apical membrane in cells in distal tubules.



Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody [NBP1-90291] - Staining of human liver shows weak membranous positivity in hepatocytes.



Publications

Park SJ, Yoo HC, Ahn E, Luo E et al. Enhanced Glutaminolysis Drives Hypoxia-Induced Chemoresistance in Pancreatic Cancer *Cancer Res* 2023-01-03 [PMID: 36594876]

Lehmann V The Modern Day Heracles: Patient-derived Liver Organoids to Model Rare Pediatric Liver Diseases Thesis 2023-01-01

KrUger M, Samsom RA, Oosterhoff LA et al. High level of polarized engraftment of porcine intrahepatic cholangiocyte organoids in decellularized liver scaffolds *Journal of cellular and molecular medicine* 2022-08-26 [PMID: 36017767] (IHC-P, Porcine)

Details:
IHC-P 1:200

Trumpi K, Emmink BL, Prins AM et al. ABC-Transporter Expression Does Not Correlate with Response to Irinotecan in Patients with Metastatic Colorectal Cancer. *J Cancer* 2015-01-01 [PMID: 26516354] (IF/IHC, Human)

Bernstein HG, Holzl G, Dobrowolny H et al. Vascular and extravascular distribution of the ATP-binding cassette transporters ABCB1 and ABCC1 in aged human brain and pituitary. *Mech Ageing Dev* 2014-09-10 [PMID: 25218792] (IF/IHC, Human)



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Products Related to NBP1-90291

NBP1-90291PEP	MDR1/ABCB1 Recombinant Protein Antigen
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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