

# 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**

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

**Product Description**

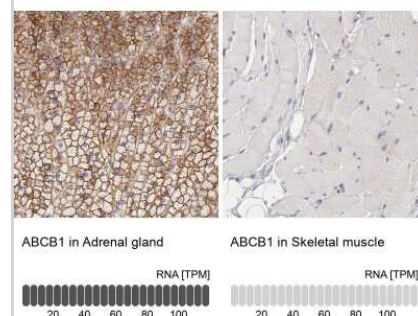
<b>Host</b>	Rabbit
<b>Gene ID</b>	5243
<b>Gene Symbol</b>	ABCB1
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: IAHRLSTVRNADVIAGFDDGVIVEKGNHDELMKEKGIYFKLVMTMQTAGNEVELE NAADESKSEIDALEMSSNDSRSSLRKRSTRRSVRGSQAQDRKLSTKEALDE

**Product Application Details**

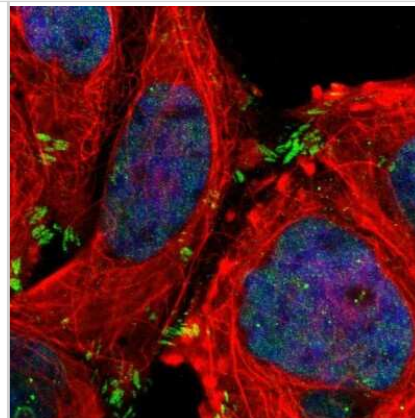
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>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

**Images**

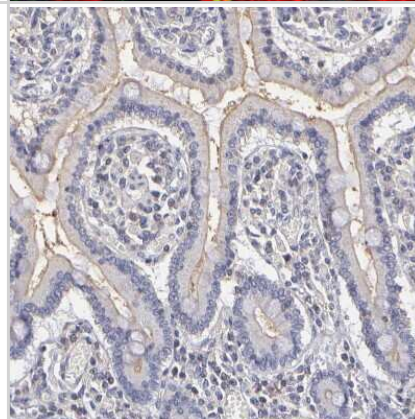
Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody [NBP1-90291] - Analysis in human adrenal gland and skeletal muscle tissues. Corresponding MDR1/ABCB1 RNA-seq data are presented for the same tissues.



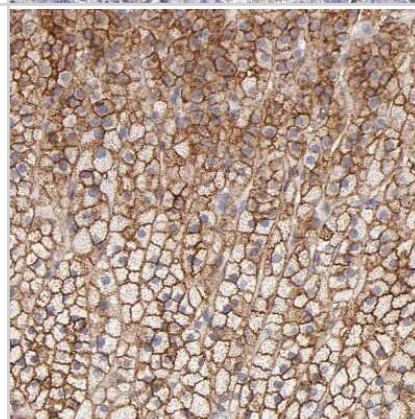
Immunocytochemistry/Immunofluorescence: MDR1/ABCB1 Antibody [NBP1-90291] - Staining of human cell line A-431 shows localization to nucleoplasm & focal adhesion sites. Antibody staining is shown in green.



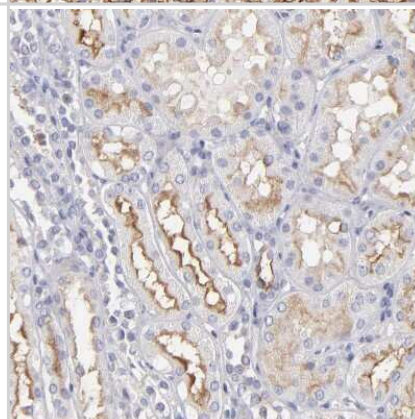
Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody [NBP1-90291] - Staining of human small intestine shows moderate positivity in apical membrane in glandular cells.



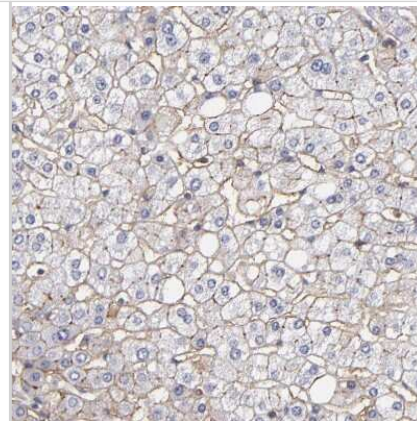
Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody [NBP1-90291] - Staining of human adrenal gland shows strong membranous positivity in glandular cells.



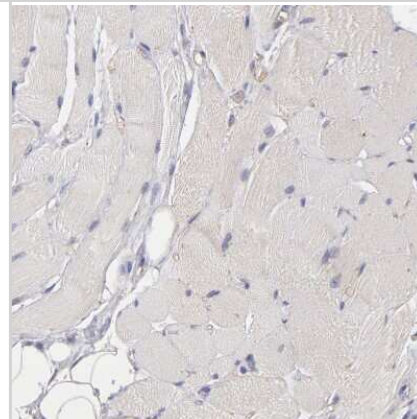
Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody [NBP1-90291] - Staining of human kidney shows moderate positivity in apical membrane in cells in distal tubules.



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



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



## 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**

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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

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### **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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