

# Product Datasheet

## ABCB11 Antibody - BSA Free

### NBP1-89319

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: 6

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**NBP1-89319**

ABCB11 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**

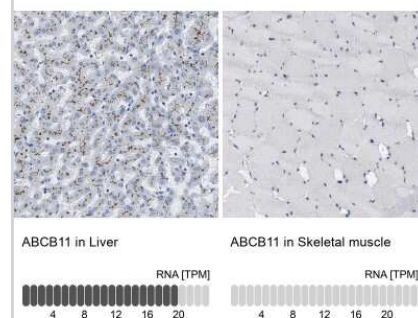
<b>Host</b>	Rabbit
<b>Gene ID</b>	8647
<b>Gene Symbol</b>	ABCB11
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: RLSTVRAADTIIGFEHGTAVERGTHEELLERKGVYFTLVTLQSQGNQALNEEDIK DATEDDMLARTFSRGSYQDSL RASIRQRSKSQLSYLVHEPPLAVVDHKSTYEE DRKDKDIPVQEEVEPAPVRRILK

**Product Application Details**

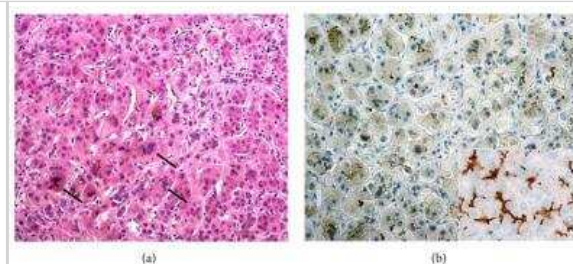
<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:2500 - 1:5000, Immunohistochemistry-Paraffin 1:2500 - 1:5000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

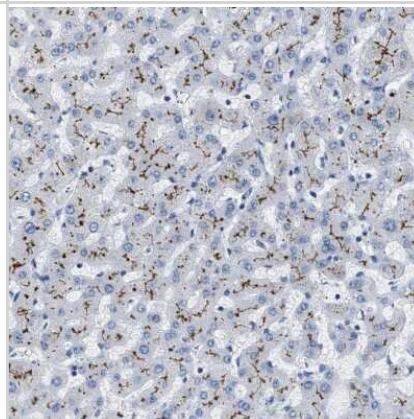
Immunohistochemistry-Paraffin: ABCB11 Antibody [NBP1-89319] - Staining in human liver and skeletal muscle tissues . Corresponding ABCB11 RNA-seq data are presented for the same tissues.



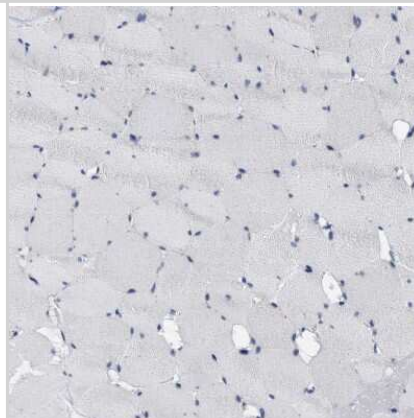
Immunohistochemistry: ABCB11 Antibody [NBP1-89319] - Histopathology of ABCB11 disease. (a) Giant-cell hepatitis (arrows) with hepatocanalicular cholestasis and (b) complete absence of ABCB11/BSEP protein are typical findings in PFIC2 patients. Inset: immunohistochemical positivity of BSEP in the apical (canalicular) domain of hepatocytes in a healthy control. (a) Hematoxylin and eosin, original magnification x200. (b, inset) Immunohistochemical staining with ABCB11 Rabbit Polyclonal Antibody (NBP1-89319, Novus Biologicals, USA), original magnification x200 (b), x400 (inset). Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30148122>) licensed under a CC-BY license.



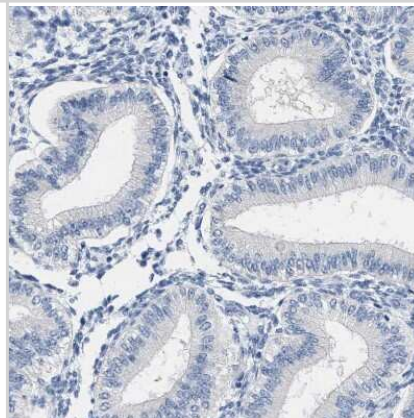
Immunohistochemistry-Paraffin: ABCB11 Antibody [NBP1-89319] - Staining of human liver shows moderate to strong membranous positivity in bile canaliculi.



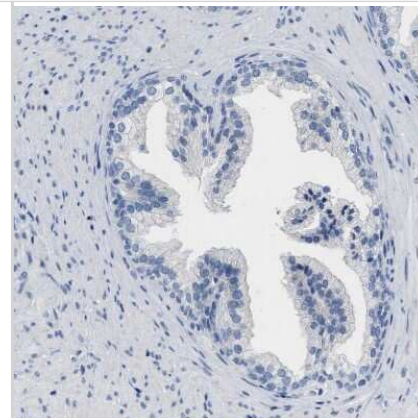
Immunohistochemistry-Paraffin: ABCB11 Antibody [NBP1-89319] - Staining of human skeletal muscle shows no membranous positivity in myocytes as expected.



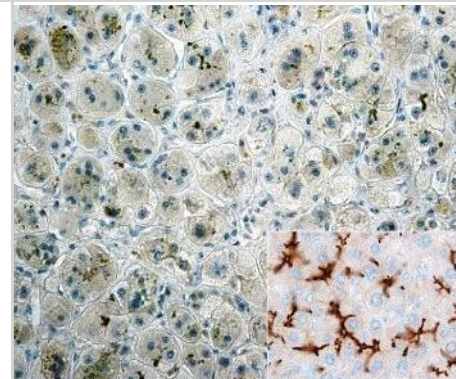
Immunohistochemistry-Paraffin: ABCB11 Antibody [NBP1-89319] - Staining of human endometrium shows no positivity in glandular cells as expected.



Immunohistochemistry-Paraffin: ABCB11 Antibody [NBP1-89319] - Staining of human prostate shows no positivity in glandular cells as expected.



Immunohistochemistry: ABCB11 Antibody [NBP1-89319] - Histopathology of ABCB11 disease. (a) Giant-cell hepatitis (arrows) with hepatocanaliculic cholestasis & (b) complete absence of ABCB11/BSEP protein are typical findings in PFIC2 patients. Inset: immunohistochemical positivity of BSEP in the apical (canalicular) domain of hepatocytes in a healthy control. (a) Hematoxylin & eosin, original magnification x200. (b, inset) Immunohistochemical staining with ABCB11 Rabbit Polyclonal Antibody (NBP1-89319, Novus Biologicals, USA), original magnification x200 (b), x400 (inset). Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30148122>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



(b)

## Publications

Shearn CT, Anderson AL, Devereaux MW et al. Overexpression of TNF $\alpha$  in TNF $\alpha$ ARE $\pm$  mice increases hepatic periportal inflammation and alters bile acid signaling in mice *Hepatol Commun* 2024-12-01 [PMID: 39585296]

Sticova E, Jirsa M et al. New Insights in Genetic Cholestasis: From Molecular Mechanisms to Clinical Implications. *Can J Gastroenterol Hepatol* 2018-08-28 [PMID: 30148122] (IF/IHC, Human)

L H, E S, V Z et al. Progressive familial intrahepatic cholestasis in adulthood: 0 years' follow-up *Klin. Biochem. Metab.* 2020-01-01 (IF/IHC, Human)

Sticova E, Jirsa M, Pawlowska J. New Insights in Genetic Cholestasis: From Molecular Mechanisms to Clinical Implications. *Canadian Journal of Gastroenterology and Hepatology* 2018-07-26 [PMID: 30145122] (IF/IHC, Human)

Blackmore L, Knisely AS, Hartley JL et al. Polymorphisms in ABCB11 and ATP8B1 Associated with Development of Severe Intrahepatic Cholestasis in Hodgkin's Lymphoma. *Journal of Clinical and Experimental Hepatology*. 2012-01-01 [PMID: 25755490] (IF/IHC, Human)

Sambrotta M, Strautnieks S, Papouli E et al. Mutations in TJP2 cause progressive cholestatic liver disease. *Nat Genet* 2014-04-01 [PMID: 24614073]



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General: novus@novusbio.com

### **Products Related to NBP1-89319**

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NBP1-89319PEP	ABCB11 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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