

**ABCB11 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21646b**

## Specification

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### ABCB11 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	<a href="#">O95342</a>
Reactivity	Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG

### ABCB11 Antibody (C-term) - Additional Information

**Gene ID** 8647

#### Other Names

Bile salt export pump, ATP-binding cassette sub-family B member 11, ABCB11, BSEP

#### Target/Specificity

This ABCB11 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1063-1097 amino acids of human ABCB11.

#### Dilution

WB~~1:2000

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

ABCB11 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### ABCB11 Antibody (C-term) - Protein Information

**Name** ABCB11 ([HGNC:42](#))

**Synonyms** BSEP {ECO:0000303|Ref.2}

**Function** Catalyzes the transport of the major hydrophobic bile salts, such as taurine and glycine-conjugated cholic acid across the canalicular membrane of hepatocytes in an ATP-dependent manner, therefore participates in hepatic bile acid homeostasis and consequently

to lipid homeostasis through regulation of biliary lipid secretion in a bile salts dependent manner (PubMed:[15791618](#), PubMed:[16332456](#), PubMed:[18985798](#), PubMed:[19228692](#), PubMed:[20010382](#), PubMed:[20398791](#), PubMed:[22262466](#), PubMed:[24711118](#), PubMed:[29507376](#), PubMed:[32203132](#)). Transports taurine-conjugated bile salts more rapidly than glycine-conjugated bile salts (PubMed:[16332456](#)). Also transports non-bile acid compounds, such as pravastatin and fexofenadine in an ATP-dependent manner and may be involved in their biliary excretion (PubMed:[15901796](#), PubMed:[18245269](#)).

#### Cellular Location

Apical cell membrane; Multi-pass membrane protein. Recycling endosome membrane {ECO:0000250|UniProtKB:O70127}; Multi-pass membrane protein {ECO:0000250|UniProtKB:O70127}. Endosome {ECO:0000250|UniProtKB:O70127}. Cell membrane; Multi-pass membrane protein. Note=Internalized at the canalicular membrane through interaction with the adapter protein complex 2 (AP-2) (PubMed:22262466). At steady state, localizes in the canalicular membrane but is also present in recycling endosomes. ABCB11 constantly and rapidly exchanges between the two sites through tubulo-vesicles carriers that move along microtubules. Microtubule-dependent trafficking of ABCB11 is enhanced by taurocholate and cAMP and regulated by STK11 through a PKA-mediated pathway. Trafficking of newly synthesized ABCB11 through endosomal compartment to the bile canalicular membrane is accelerated by cAMP but not by taurocholate (By similarity). Cell membrane expression is up-regulated by short- and medium-chain fatty acids (PubMed:20398791) {ECO:0000250|UniProtKB:O70127, ECO:0000269|PubMed:20398791, ECO:0000269|PubMed:22262466}

#### Tissue Location

Expressed predominantly, if not exclusively in the liver, where it was further localized to the canalicular microvilli and to subcanalicular vesicles of the hepatocytes by in situ

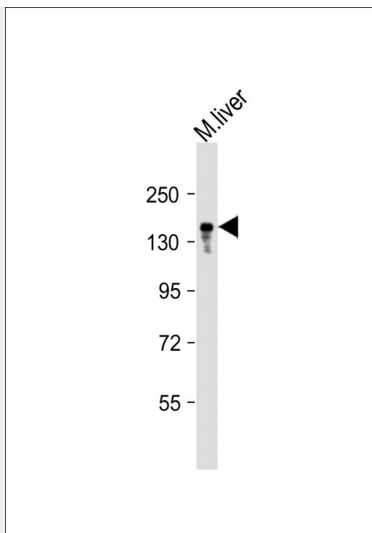
#### ABCB11 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### ABCB11 Antibody (C-term) - Images





Anti-ABCB11 Antibody (C-term) at 1:2000 dilution + mouse liver lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 146 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

#### **ABCB11 Antibody (C-term) - Background**

Involved in the ATP-dependent secretion of bile salts into the canalculus of hepatocytes.

#### **ABCB11 Antibody (C-term) - References**

- Strautnieks S.S., et al. *Nat. Genet.* 20:233-238(1998).  
Mol O., et al. Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.  
Hillier L.W., et al. *Nature* 434:724-731(2005).  
Mochizuki K., et al. *Am. J. Physiol.* 292:G818-G828(2007).  
Jansen P.L.M., et al. *Gastroenterology* 117:1370-1379(1999).