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ABCB11 Rabbit pAb
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Catalog # AP93992

Specification

ABCB11 Rabbit pAb - Product Information

Application	WB
Primary Accession	Q9QY30
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	146749

ABCB11 Rabbit pAb - Additional Information

Gene ID 27413

Other Names
Bile salt export pump {ECO:0000303|Ref.4}, 7.6.2.-, ATP-binding cassette sub-family B member 11, Sister of P-glycoprotein, Abcb11 {ECO:0000312|MGI:MGI:1351619}

Dilution
WB~~1:1000

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

ABCB11 Rabbit pAb - Protein Information

Name Abcb11 {ECO:0000312|MGI:MGI:1351619}

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:11172067, PubMed:14570929, PubMed:19228692, PubMed:22619174, PubMed:23764895). Transports taurine-conjugated bile salts more rapidly than glycine- conjugated bile salts (By similarity). Also transports non-bile acid compounds, such as pravastatin and fexofenadine in an ATP-dependent manner and may be involved in their biliary excretion (By similarity).

Cellular Location
Apical cell membrane {ECO:0000250|UniProtKB:O70127}; Multi-pass membrane protein {ECO:0000250|UniProtKB:O70127}. Recycling endosome membrane {ECO:0000250|UniProtKB:O70127}; Multi-pass membrane protein {ECO:0000250|UniProtKB:O70127}. Endosome {ECO:0000250|UniProtKB:O70127}. Cell membrane {ECO:0000250|UniProtKB:O70127}; Multi-pass membrane protein {ECO:0000250|UniProtKB:O70127}. Note=Internalized at the canalicular membrane through interaction with the adapter protein complex 2 (AP-2) 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 (By similarity) {ECO:0000250|UniProtKB:O70127, ECO:0000250|UniProtKB:O95342}

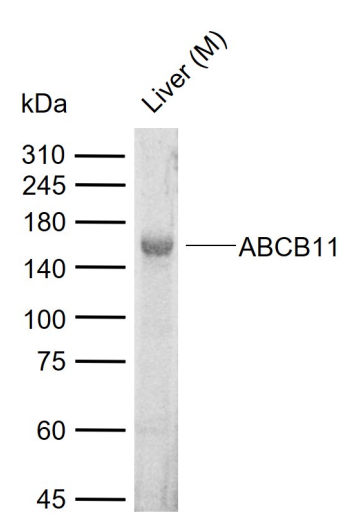
Tissue Location
Expressed predominantly, if not exclusively in the liver, where it was further localized to the canalicular microvilli and to subcanalicular vesicles of the hepatocytes by in situ

ABCB11 Rabbit pAb - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ABCB11 Rabbit pAb - Images



Sample: Lane 1: Mouse Liver tissue lysates Primary: Anti-ABCB11 (AP93992) at 1/1000 dilution

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Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 146 kDa Observed band size: 146 kDa

ABCB11 Rabbit pAb - Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.