abcam

Product datasheet

Anti-ABCB11 antibody - Carboxyterminal end ab71793

1 Abreviews 1 Image

Overview

Product name	Anti-ABCB11 antibody - Carboxyterminal end
Description	Rabbit polyclonal to ABCB11 - Carboxyterminal end
Host species	Rabbit
Specificity	We have received some negative reports from customers using this antibody in IHC, therefore we do not recommend this antibody for IHC.
Tested applications	**Suitable for:** WB, ELISA
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	A KLH conjugated synthetic peptide selected from the C-terminal region of human ABCB11.
Positive control	Human hepatocarcinoma tissue and mouse liver tissue lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: PBS
Purity	Protein G purified
Purification notes	This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab71793** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

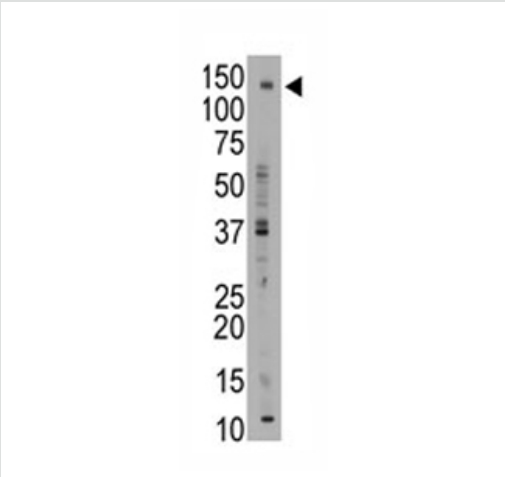
Application	Abreviews	Notes
WB		1/100 - 1/500. Detects a band of approximately 146 kDa (predicted molecular weight: 146 kDa).

Application	Abreviews	Notes
ELISA		1/1000.

Target

Function	Involved in the ATP-dependent secretion of bile salts into the canaliculus of hepatocytes.
Tissue specificity	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.
Involvement in disease	Defects in ABCB11 are the cause of progressive familial intrahepatic cholestasis type 2 (PFIC2) [MIM:601847]. PFIC2 is an inherited liver disease of childhood which is characterized by cholestasis and normal serum gamma-glutamyltransferase activity. Defects in ABCB11 are also found in cases of chronic intrahepatic cholestasis without obvious familial history of chronic liver disease. Defects in ABCB11 are the cause of benign recurrent intrahepatic cholestasis type 2 (BRIC2) [MIM:605479]. BRIC is characterized by intermittent episodes of cholestasis without progression to liver failure. There is initial elevation of serum bile acids, followed by cholestatic jaundice which generally spontaneously resolves after periods of weeks to months. The cholestatic attacks vary in severity and duration and patients are asymptomatic between episodes, both clinically and biochemically.
Sequence similarities	Belongs to the ABC transporter superfamily. ABCB family. Multidrug resistance exporter (TC 3.A.1.201) subfamily. Contains 2 ABC transmembrane type-1 domains. Contains 2 ABC transporter domains.
Domain	Multifunctional polypeptide with two homologous halves, each containing an hydrophobic membrane-anchoring domain and an ATP binding cassette (ABC) domain.
Cellular localization	Membrane.

Images



Western blot - ABCB11 antibody - Carboxyterminal end (ab71793)

Anti-ABCB11 antibody - Carboxyterminal end (ab71793) at 1/100 dilution + mouse liver tissue lysate at 12.5 µg

Predicted band size: 146 kDa
Observed band size: 146 kDa

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit http://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors