

Datasheet for 600-401-GZ5**ABCB11 Antibody****Overview**

Description:	Anti-ABCB11 (RABBIT) Antibody - 600-401-GZ5
Item No.:	600-401-GZ5
Size:	100 µg
Applications:	FC, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Bile Salt Export Pump (BSEP) is a protein which in humans is encoded by the ABCB 11 gene. It is a member of the superfamily of ATP-binding cassette (ABC) transporters, also known as ABCB11. It is mapped to chromosome 2q24. The BSEP protein is mainly expressed in the liver. ABCB11 is a gene associated with progressive familial intrahepatic cholestasis type 2 (PFIC2) which caused by mutations in the ABCB11 gene will increases the risk of hepatocellular carcinoma in early life. This antibody is suitable for researchers interested in signal transduction and cancer research.
Synonyms:	ATP-binding cassette sub-family B member 11, BSEP, Bile Salt Export Pump
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ABCB11
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	ABCB11 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a sequence at the C-terminal of human ABCB11, different from the related mouse and rat sequences by three amino acids.

Purity/Specificity: Anti-ABCB11 antibody is directed against human ABCB11 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from human, mouse, and rat based on homology for the immunogen sequence. Cross reactivity with ABCB11 from other sources has not been determined.

Relevant Links:

- [UniProtKB - O95342](#)
- [GeneID - 8647](#)
- [NCBI - NP_003733.2](#)

Application Details

Tested Applications: FC, IF, IHC, WB

Application Note: Anti-ABCB11 Antibody is tested for IHC-Fr, IHC-P, IF, FLOW, and Western Blotting. Positive control rat liver, mouse liver, and SMMC whole cell lysate used at 40µg load and 0.5µg/mL incubation in western blot and rat mouse, and human liver tissue for IHC-P. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~146.4 kDa corresponding to the appropriate cell lysate or extract.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

IHC: 0.5-1µg/ml

WB: 0.1-0.5µg/ml

Formulation

Physical State: Lyophilized

Concentration: 0.5 mg/mL neat

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: 5mg BSA

Reconstitution Volume: 200µL

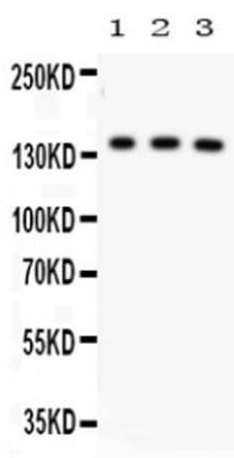
Reconstitution Buffer: Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition: Ambient

Storage Condition:	Product stored in NaCl, Na ₂ HPO ₄ , BSA, and NaN ₃ . Store vial at 4° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Anti-ABCB11 Antibody. Lane 1: Rat Liver Tissue Lysate at 50ug. Lane 2: Mouse Liver Tissue Lysate at 50ug. Lane 3: SMMC Whole Cell Lysate at 40ug. Primary Antibody: Anti ABCB11 at 0.5ug/ml. Predicted/Observed size: 146kDa.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.