

Datasheet for ABIN2776966
anti-ABCB4 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	ABCB4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Horse, Sheep, Guinea Pig, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCB4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ABCB4
Sequence:	AGAVAEELG AIRTVIAFGG QNKELERYQK HLENAKEIGI KKAISANISM
Predicted Reactivity:	Cow: 86%, Dog: 77%, Guinea Pig: 77%, Horse: 77%, Human: 100%, Mouse: 100%, Pig: 93%, Rabbit: 100%, Rat: 100%, Sheep: 77%
Characteristics:	This is a rabbit polyclonal antibody against ABCB4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ABCB4
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Target Details

Alternative Name: ABCB4 ([ABCB4 Products](#))

Background: ABCB4, a membrane-associated protein, is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. ABCB4 is a full transporter and member of the p-glycoprotein family of membrane proteins with phosphatidylcholine as its substrate. The function of this protein has not yet been determined, however, it may involve transport of phospholipids from liver hepatocytes into bile. The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This gene encodes a full transporter and member of the p-glycoprotein family of membrane proteins with phosphatidylcholine as its substrate. The function of this protein has not yet been determined, however, it may involve transport of phospholipids from liver hepatocytes into bile. Alternative splicing of this gene results in several products of undetermined function.

Alias Symbols: ABC21, GBD1, MDR2, MDR2/3, MDR3, PFIC-3, PGY3

Protein Interaction Partner: PIGY, TESK1, HAX1,

Protein Size: 1279

Molecular Weight: 141 kDa

Gene ID: 5244

NCBI Accession: [NM_000443](#), [NP_000434](#)

UniProt: [A4D1D4](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

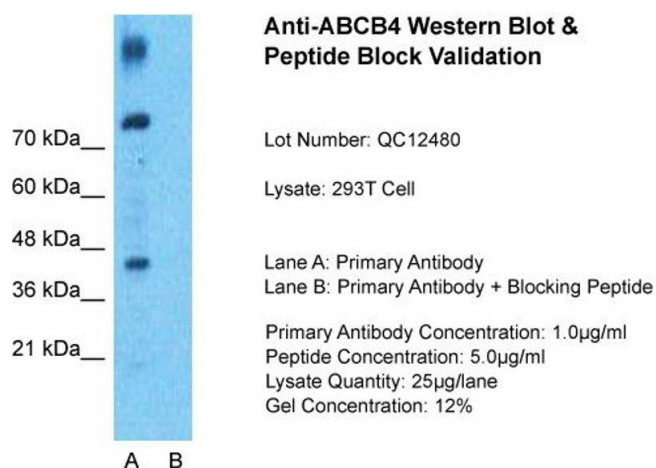
Comment: Antigen size: 1279 AA

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

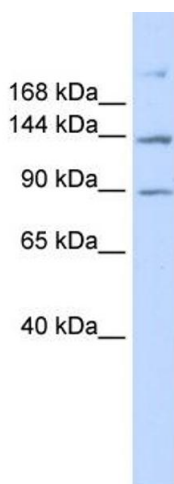
Image 1. Host: Rabbit

Target Name: ABCB4

Sample Tissue: 293T Whole Cell

Lane A: Primary Antibody Lane B: Primary Antibody +
Blocking Peptide

Primary Antibody Concentration: 1 µg/mL Peptide
Concentration: 9 µg/mL Lysate Quantity: 941
µg/lane/LaneGel Concentration: 9.12



Western Blotting

Image 2. Host: Rabbit Target Name: ABCB4 Sample Tissue:

Human 293T Whole Cell Antibody Dilution: 1ug/ml