

Datasheet for ABIN7163123  
**anti-ABCB4 antibody (AA 530-693)**



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2 Images

## Overview

Quantity:	100 µg
Target:	ABCB4
Binding Specificity:	AA 530-693
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCB4 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Phosphatidylcholine translocator ABCB4 protein (530-693AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	ABCB4
Alternative Name:	ABCB4 ( <a href="#">ABCB4 Products</a> )
Background:	Background: Energy-dependent phospholipid efflux translocator that acts as a positive regulator of biliary lipid secretion. Functions as a floppase that translocates specifically

## Target Details

phosphatidylcholine (PC) from the inner to the outer leaflet of the canalicular membrane bilayer into the canaliculi of hepatocytes. Translocation of PC makes the biliary phospholipids available for extraction into the canaliculi lumen by bile salt mixed micelles and therefore protects the biliary tree from the detergent activity of bile salts (PubMed:7957936, PubMed:8898203, PubMed:9366571, PubMed:17523162, PubMed:23468132, PubMed:24806754, PubMed:24723470, PubMed:24594635, PubMed:21820390). Plays a role in the recruitment of phosphatidylcholine (PC), phosphatidylethanolamine (PE) and sphingomyelin (SM) molecules to nonraft membranes and to further enrichment of SM and cholesterol in raft membranes in hepatocytes (PubMed:23468132). Required for proper phospholipid bile formation (By similarity). Indirectly involved in cholesterol efflux activity from hepatocytes into the canalicular lumen in the presence of bile salts in an ATP-dependent manner (PubMed:24045840). May promote biliary phospholipid secretion as canaliculi-containing vesicles from the canalicular plasma membrane (PubMed:9366571). In cooperation with ATP8B1, functions to protect hepatocytes from the deleterious detergent activity of bile salts (PubMed:21820390). Does not confer multidrug resistance (By similarity).

Aliases: ABC 21 antibody, ABC B4 antibody, ABC21 antibody, ABCB 4 antibody, Abcb4 antibody, ABCB4 protein antibody, ATP binding cassette sub family B MDR/TAP member 4 antibody, ATP binding cassette sub family B member 4 antibody, ATP-binding cassette sub-family B member 4 antibody, GBD1 antibody, ICP3 antibody, MDR 3 antibody, MDR2 antibody, MDR2/3 antibody, MDR3 antibody, MDR3 P glycoprotein antibody, MDR3 P gp antibody, MDR3\_HUMAN antibody, Multidrug resistance protein 3 antibody, Multiple drug resistance 3 antibody, P glycoprotein 3 antibody, P-glycoprotein 3 antibody, PFIC 3 antibody, PFIC3 antibody, PGY 3 antibody, PGY3 antibody

UniProt: [P21439](#)

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

## Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:200-1:500,

Restrictions: For Research Use only

## Handling

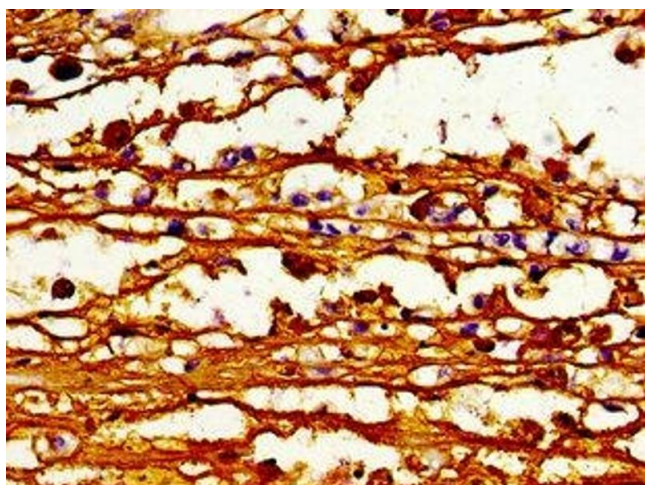
Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300

## Handling

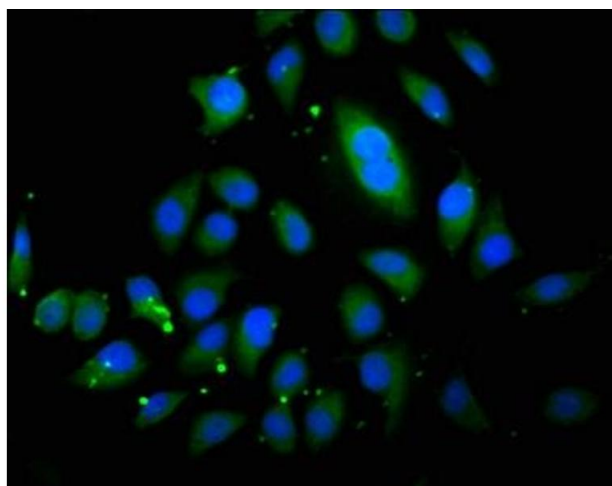
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human melanoma using ABIN7163123 at dilution of 1:100



### Immunofluorescence

**Image 2.** Immunofluorescence staining of A549 cells with ABIN7163123 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).