

Datasheet for ABIN6136350  
**anti-ABCB4 antibody (AA 1-110)****1** Image**1** Publication[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	ABCB4
Binding Specificity:	AA 1-110
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCB4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-110 of human ABCB4 (NP_061337.1).
Sequence:	MDLEAAKNGT AWRPTSAEGD FELGISSKQK RKKTCTVKMI GVLTLFRYSD WQDKLFMSLG TIMAIAHGSG LPLMMIVFGE MTDKFDVDTAG NFSFPVNFSL SLLNPGKILE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	ABCB4
Alternative Name:	ABCB4 ( <a href="#">ABCB4 Products</a> )
Background:	<p>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.,ABCB4,ABC21,GBD1,ICP3,MDR2,MDR2/3,MDR3,PFIC-3,PGY3,Cancer,Signal Transduction,Endocrine &amp; Metabolism,Lipid Metabolism,ABCB4</p>
Molecular Weight:	135 kDa/140 kDa/141 kDa
Gene ID:	5244
UniProt:	<a href="#">P21439</a>
Pathways:	<a href="#">Regulation of Lipid Metabolism by PPARalpha</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

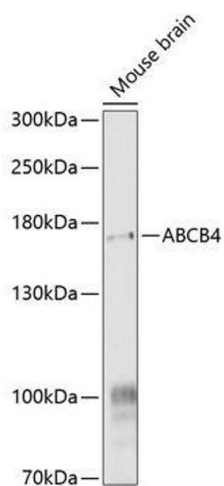
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

## Publications

- Product cited in:
- Li, Yang, Zheng, Xing, Wu, Bian, Wu, Li, Li, Bai, Wu, Jia, Wang, Zhu, Jin: "TNF- $\alpha$  stimulates endothelial palmitic acid transcytosis and promotes insulin resistance." in: **Scientific reports**, Vol. 7, pp. 44659, (2018) ([PubMed](#)).
- Oyagbemi, Omobowale, Asenuga, Ochigbo, Adejumobi, Adedapo, Yakubu: "Sodium arsenite-induced cardiovascular and renal dysfunction in rat via oxidative stress and protein kinase B (Akt/PKB) signaling pathway." in: **Redox report : communications in free radical research**, Vol. 22, Issue 6, pp. 467-477, (2018) ([PubMed](#)).
- Xie, Liu, Chen, Xu, Zhan, Yang, Li, Zhou: "Umbilical cord-derived mesenchymal stem cells alleviated inflammation and inhibited apoptosis in interstitial cystitis via AKT/mTOR signaling pathway." in: **Biochemical and biophysical research communications**, Vol. 495, Issue 1, pp. 546-552, (2017) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** Western Blot analysis of ABCA4 expression in Mouse Brain using ABIN6136350