

Datasheet for ABIN390060
anti-ABCB4 antibody (AA 624-654)



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4 Images

1 Publication

Overview

Quantity:	400 µL
Target:	ABCB4
Binding Specificity:	AA 624-654
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCB4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ABCB4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 624-654 amino acids from the Central region of human ABCB4.
Clone:	RB02209
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ABCB4
Alternative Name:	ABCB4 (ABCB4 Products)
Background:	The membrane-associated protein encoded ABCB4 is a member of the superfamily of ATP-

Target Details

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.

Molecular Weight:	141523
Gene ID:	5244
NCBI Accession:	NP_000434 , NP_061337 , NP_061338
UniProt:	P21439
Pathways:	Regulation of Lipid Metabolism by PPARalpha

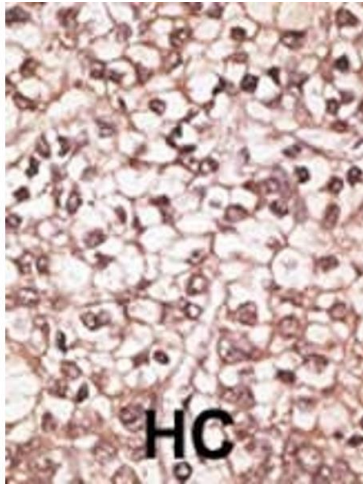
Application Details

Application Notes:	WB: 1:2000. WB: 1:1000. WB: 1:500. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

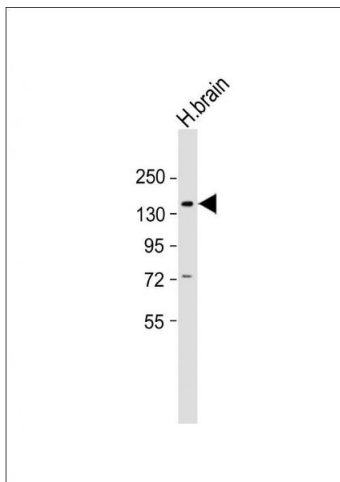
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Product cited in: Gautier, Tietge, Boverhof, Perton, Le Guern, Masson, Rensen, Havekes, Lagrost, Kuipers: "Hepatic lipid accumulation in apolipoprotein C-I-deficient mice is potentiated by cholesteryl ester transfer protein." in: **Journal of lipid research**, Vol. 48, Issue 1, pp. 30-40, (2006) ([PubMed](#)).



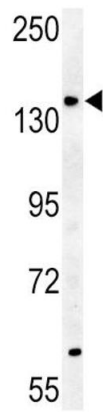
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. Anti-hABC4- at 1:2000 dilution + Human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 142 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Western Blotting

Image 3. ABCB4- (ABIN390060 and ABIN2840588) western blot analysis in mouse heart tissue lysates (35 µg/lane). This demonstrates the ABCB4 antibody detected ABCB4 protein (arrow).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN390060.