Datasheet for ABIN1693817

anti-ABCB7 antibody (AA 201-300) (AbBy Fluor® 350)

Go to Product page

Overview

Quantity:	100 µL
Target:	ABCB7
Binding Specificity:	AA 201-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCB7 antibody is conjugated to AbBy Fluor® 350
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ABCB7
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Sheep,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	ABCB7
Alternative Name:	ABCB7 (ABCB7 Products)
Background:	Synonyms: ABC transporter 7 protein, ABC7, Abcb7, ABCB7_HUMAN, ASAT, Atm1p, ATP

Target Details

	binding cassette 7, ATP binding cassette sub family B MDR/TAP member 7, ATP binding cassette sub family B member 7, ATP binding cassette sub family B member 7 mitochondrial, ATP binding cassette transporter 7, ATP-binding cassette sub-family B member 7, ATP-binding cassette transporter 7, EST140535, MDR7, mitochondrial, Multidrug resistance protein 7, P-glycoprotein 7, PGP7. Background: The peroxisomal membrane contains several ATP-binding cassette (ABC) transporters, ABCD14 that are known to be present in the human peroxisome membrane (1). All four proteins are ABC half-transporters, which dimerize to form an active transporter (1). A mutation in the ABCD1 causes X-linked adrenoleukodystrophy (X-ALD), a peroxisomal disorder which affects lipid storage (2,3). ABCD2 in mouse, is expressed at high levels in the brain and adrenal organs, which are adversely affected in X-ALD (4). The peroxisomal membrane comprises 2 quantitatively major proteins, PMP22 and ABCD3 (5). ABCD3 is associated with irregularly shaped vesicles which may be defective peroxisomes or peroxisome precursors (5). ABCD4 localizes to peroxisomes (1). The genes which encode ABCD14 map to human chromosome Xq28, 12q11-q12, 1p22-p21 and 14q24.3, respectively (3,68). ABCB7 is a half-transporter involved in the transport of heme from the mitochondria to the cytosol and maps to human chromosome Xq13.1-q13.3 (9).
Gene ID:	22
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months