

ABCB7 Antibody HRP Conjugated

Catalog No: #C01912H

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Description

Product Name	ABCB7 Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB IHC-P IHC-F ICC
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human ABCB7
Conjugates	HRP
Target Name	ABCB7
Other Names	ABC transporter 7 protein; ABC7; Abcb7; ABCB7_HUMAN; ASAT; Atm1p; ATP 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
Accession No.	NCBI Gene ID22
Uniprot	O75027
GeneID	22;
Excitation Emission	N A
Cell Localization	Cytoplasm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200 ICC=1:50-200

Background

The peroxisomal membrane contains several ATP-binding cassette (ABC) transporters, ABCD1a4 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 ABCD1a4 map to human chromosome Xq28, 12q11-q12, 1p22-p21 and 14q24.3, respectively (3,6a8). 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).

Note: This product is for in vitro research use only