

Rabbit anti-Human, Mouse ABCD4 Polyclonal Antibody | anti-ABCD4 antibody

ABCD4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324490	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ABCD4; Polyclonal Antibody; ABCD4 Antibody; 69 kDa peroxisomal ABC transporter; ABC 41; ABC41; ABCD 4; ABCD4_HUMAN; ATP binding cassette sub family D (ALD) member 4; ATP binding cassette sub family D member 4; ATP-binding cassette sub-family D member 4; EST352188; MAHCJ; MGC105956; P70R; P79R; Peroxisomal membrane protein 1 like; Peroxisomal membrane protein 1-like; Peroxisomal membrane protein 69; PMP 69; PMP69; PMP70-related protein; PXMP 1L; PXMP1 L; PXMP1-L; PXMP1L; anti-ABCD4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ABCD4 antibody detects endogenous levels of total ABCD4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	606
Applicable Applications for anti-ABCD4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Peroxisome Membrane.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Rabbit (100%), Dog (92%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using ABCD4 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324490 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA324490 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ABCD4 antibody

Function: May be involved in intracellular processing of vitamin B12 (cobalamin). Could play a role in the lysosomal release of vitamin B12 into the cytoplasm.
Subunit Structure: Homodimer or heterodimer.
Similarity: Belongs to the ABC transporter superfamily. ABCD family. Peroxisomal fatty acyl CoA transporter (TC 3.A.1.203) subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826958
NCBI GeneID	5826
NCBI Accession #	NP_005041.1
NCBI GenBank Nucleotide #	NM_005050.3
UniProt Accession #	O14678; Q6IAQ0; Q96E75; A8K5L7
Molecular Weight	Observed: 70 kD Predicted: 69 kDa
NCBI Official Full Name	ATP-binding cassette sub-family D member 4 isoform a
NCBI Official Synonym Full Names	ATP binding cassette subfamily D member 4
NCBI Official Symbol	ABCD4
NCBI Official Synonym Symbols	P70R; P79R; ABC41; MAHCJ; PMP69; PXMP1L; EST352188
NCBI Protein Information	ATP-binding cassette sub-family D member 4
UniProt Protein Name	ATP-binding cassette sub-family D member 4
UniProt Gene Name	ABCD4
UniProt Synonym Gene Names	PXMP1L; P70R; PXMP1-L; PMP69

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

