

Rabbit ABCD1 Polyclonal Antibody | anti-ABCD1 antibody

ABCD1 Antibody (Center)

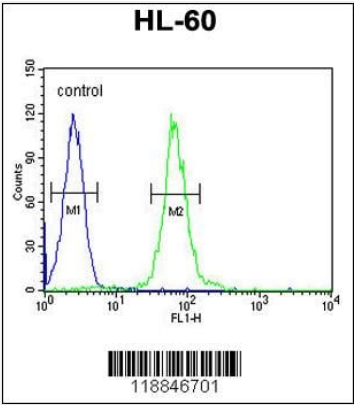
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284830	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

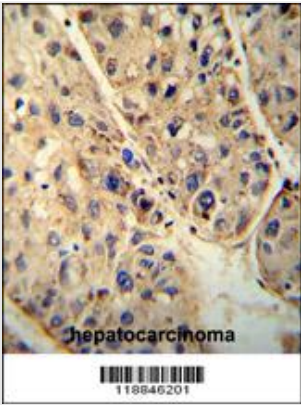
ABCD1; Polyclonal Antibody; ABCD1 Antibody (Center); ATP-binding cassette sub-family D member 1; Adrenoleukodystrophy protein; ALDP; ALD; anti-ABCD1 antibody

PRODUCT SPECIFICATIONS

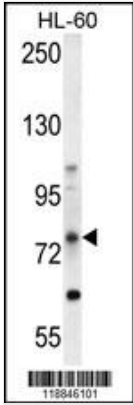
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ABCD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 257-285 amino acids from the Central region of human ABCD1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.3 (varies by lot)
Sequence Positions	257-285
Sequence Length	745
Applicable Applications for anti-ABCD1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
ABCD1 Antibody (Center) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
ABCD1 antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ABCD1 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
ABCD1 Antibody (Center) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the ABCD1 antibody detected the ABCD1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ABCD1 antibody	ABCD1 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 ALD subfamily, which is involved in peroxisomal import of fatty acids and/or fatty acyl-CoAs in the organelle. All known peroxisomal ABC transporters are half transporters which require a partner half transporter molecule to form a functional homodimeric or heterodimeric transporter. This peroxisomal membrane protein is likely involved in the peroxisomal transport or catabolism of very long chain fatty acids. Defects in this gene have been identified as the underlying cause of adrenoleukodystrophy, an X-chromosome recessively inherited demyelinating disorder of the nervous system.
Product Categories/Family for anti-ABCD1 antibody	Cancer; Metabolism; Signal Transduction

References	Matsukawa, T., et al. Neurogenetics (2010) In press : Xie, H.H., et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi 27(2):144-148(2010) Li, J.Y., et al. J. Neurol. Sci. 290 (1-2), 163-165 (2010) : Hour, T.C., et al. Int. J. Biol. Markers 24(3):171-178(2009) Shukla, P., et al. J. Child Neurol. 24(7):857-860(2009)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7262393
NCBI GeneID	215
NCBI Accession #	NP_000024.2
NCBI GenBank Nucleotide #	NM_000033.3
UniProt Accession #	P33897; Q6GTZ2
Molecular Weight	82937
NCBI Official Full Name	ATP-binding cassette sub-family D member 1
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family D (ALD), member 1
NCBI Official Symbol	ABCD1
NCBI Official Synonym Symbols	ALD; AMN; ALDP; ABC42
NCBI Protein Information	ATP-binding cassette sub-family D member 1
UniProt Protein Name	ATP-binding cassette sub-family D member 1
UniProt Gene Name	ABCD1
UniProt Synonym Gene Names	ALD; ALDP
UniProt Entry Name	ABCD1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/abcd1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284830>