

Rabbit anti-Human ABCD2 Polyclonal Antibody | anti-ABCD2 antibody

ABCD2 Antibody (C-term)

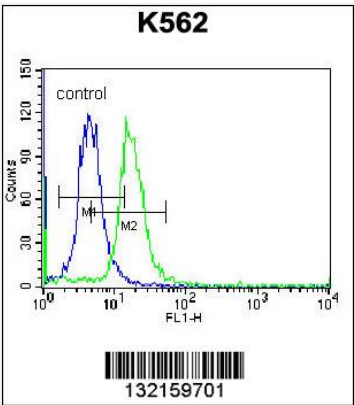
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287161	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

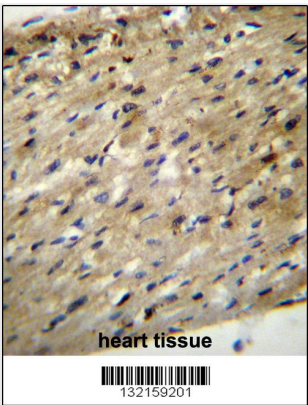
ABCD2; Polyclonal Antibody; ABCD2 Antibody (C-term); ATP-binding cassette sub-family D member 2; Adrenoleukodystrophy-like 1; Adrenoleukodystrophy-related protein; hALDR; ALD1; ALDL1; ALDR; ALDRP; anti-ABCD2 antibody

PRODUCT SPECIFICATIONS

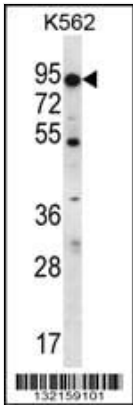
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ABCD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 553-582 amino acids from the C-terminal region of human ABCD2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal 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: 0.5 (varies by lot)
Sequence Positions	553-582
Sequence Length	740
Applicable Applications for anti-ABCD2 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)
ABCD2 Antibody (C-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
ABCD2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ABCD2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
ABCD2 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the ABCD2 antibody detected the ABCD2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ABCD2 antibody	The protein encoded by this gene 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. The function of this peroxisomal membrane protein is unknown; however this protein is speculated to function as a dimerization partner of ABCD1 and/or other peroxisomal ABC transporters. Mutations in this gene have been observed in patients with adrenoleukodystrophy, a severe demyelinating disease. This gene has been identified as a candidate for a modifier gene, accounting for the extreme variation among adrenoleukodystrophy phenotypes. This gene is also a candidate for a complement group of Zellweger syndrome, a genetically heterogeneous disorder of peroxisomal biogenesis.
Product Categories/Family for anti-ABCD2 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction

References	Matsukawa, T., et al. Neurogenetics (2010) In press : Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009) Maier, E.M., et al. Biochem. Biophys. Res. Commun. 377(1):176-180(2008) Lu, Y., et al. J. Lipid Res. 49(12):2582-2589(2008) Petroni, A., et al. J. Inherit. Metab. Dis. 30 (5), 828 (2007) :
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9945308
NCBI GeneID	225
NCBI Accession #	NP_005155.1
NCBI GenBank Nucleotide #	NM_005164.3
UniProt Accession #	Q9UBJ2 ; Q13210 ; Q2M3H9 ; B2RAM3
Molecular Weight	83233
NCBI Official Full Name	ATP-binding cassette sub-family D member 2
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family D (ALD), member 2
NCBI Official Symbol	ABCD2
NCBI Official Synonym Symbols	ALDR; ABC39; ALDL1; ALDRP; hALDR
NCBI Protein Information	ATP-binding cassette sub-family D member 2
UniProt Protein Name	ATP-binding cassette sub-family D member 2
UniProt Gene Name	ABCD2
UniProt Synonym Gene Names	ALD1; ALDL1; ALDR; ALDRP; hALDR
UniProt Entry Name	ABCD2_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/abcd2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/287161>