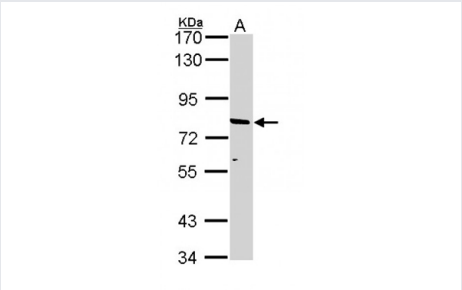
ABCD2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ABCD2, Polyclonal Antibody
Full Product Name	ABCD2 Antibody
Product Gene Name	anti-ABCD2 antibody
Product Synonym Names	Affinity Purified Rabbit Polyclonal ABCD2 Antibody; Polyclonal ABCD2 antibody; Anti-ABCD2 antibody; ALDL1 antibody; ABCD 2; ABCD-2; ABCD 2 antibody; ABCD2; adrenoleukodystrophy-related protein antibody; ABCD2 antibody; ABC39 antibody; ALDR antibody; ATP-binding cassette sub-family D member 2 antibody; hALDR antibody; ALDRP antibody; ABCD-2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied as a concentrated soloution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	Antigen-Affinity Chromatography
Concentration	0.77 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	83 kDa
OMIM	601081
3D Structure	ModBase 3D Structure for Q9UBJ2
Cross-Reactivity	Human
Product Categories/Family for anti-ABCD2 antibody	Nutrition & Metabolism
Applications Tested/Suitable for anti-ABCD2 antibody	Western Blot (WB)
Application Notes for anti-ABCD2 antibody	WB: 1:500-1:3000
Related Product Information for anti-ABCD2 antibody	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies. 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.
Other Notes	Small volumes of anti-ABCD2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ABCD2 purchase	MBS5312401 is an antibody targeting ABCD2. Also known as ABCD2 Antibody. Host: Rabbit.



Western Blot (WB) of anti-ABCD2 antibody
Western blot analysis of 30 ug of whole cell lysate (A: A431) using a 7.5% SDS PAGE gel and ABCD2 antibody at a dilution of 1:1000

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABCD2. It may not necessarily be applicable to this product.

NCBI GI #	9945308
NCBI GeneID	225
UniProt Primary Accession #	Q9UBJ2
UniProt Related Accession #	Q9UBJ2
GenBank Nucleotide #	NP_005155.1
NCBI Official Full Name	ATP-binding cassette sub-family D member 2
NCBI Official Synonym Full Names	ATP binding cassette subfamily D member 2
NCBI Official Symbol	ABCD2
NCBI Official Synonym Symbols	ALDR; ABC39; ALDL1; ALDRP; hALDR
UniProt Protein Name	ATP-binding cassette sub-family D member 2
UniProt Synonym Protein Names	Adrenoleukodystrophy-like 1; Adrenoleukodystrophy-related protein; hALDR
Protein Family	ABC transporter D family
UniProt Gene Name	ABCD2
UniProt Synonym Gene Names	ALD1; ALDL1; ALDR; ALDRP; hALDR
UniProt Entry Name	ABCD2_HUMAN
NCBI Protein Information	ATP-binding cassette sub-family D member 2
NCBI Summary for ABCD2	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. [provided by RefSeq, Jul 2008]
Research Articles on ABCD2	**1.** The functional integrity of ABCD2 may play an important role in OA pathogenesis via the accumulation of VLCFAs and stimulation of apoptotic death through altering profiles of miRNAs that target ACSL4.

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