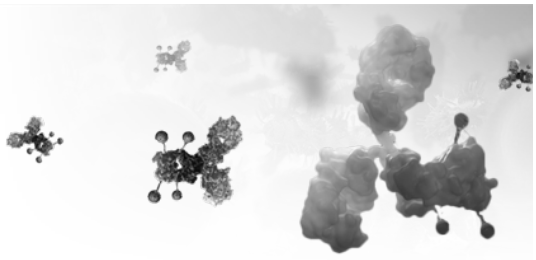

Human ABCD3 blocking peptide (CDBP0270)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ABCD3 antibody
Antigen Description	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. This peroxisomal membrane protein likely plays an important role in peroxisome biogenesis. Mutations have been associated with some forms of Zellweger syndrome, a heterogeneous group of peroxisome assembly disorders. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ABCD3 ATP-binding cassette, sub-family D (ALD), member 3 [Homo sapiens (human)]

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Official Symbol	ABCD3
Synonyms	ABCD3; ATP-binding cassette, sub-family D (ALD), member 3; ZWS2; ABC43; PMP70; PXMP1; ATP-binding cassette sub-family D member 3; 70 kDa peroxisomal membrane protein; Peroxisomal membrane protein-1 (70kD); peroxisomal membrane protein 1 (70kD, Zellweger syndrome); dJ824O18.1 (ATP-binding cassette, sub-family D (ALD), member 3 (PMP70, PXMP1));
Entrez Gene ID	5825
mRNA Refseq	NM_001122674.1
Protein Refseq	NP_001116146.1
UniProt ID	P28288
Chromosome Location	1p21.3
Pathway	ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; ABC-family proteins mediated transport, organism-specific biosystem; ABCA transporters in lipid homeostasis, organism-specific biosystem; Nuclear receptors in lipid metabolism and toxicity, organism-specific biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem; Transmembrane transport of small molecules, organism-specific biosystem;
Function	ATP binding; ATPase activity; ATPase activity, coupled to transmembrane movement of substances; protein binding; protein homodimerization activity;

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