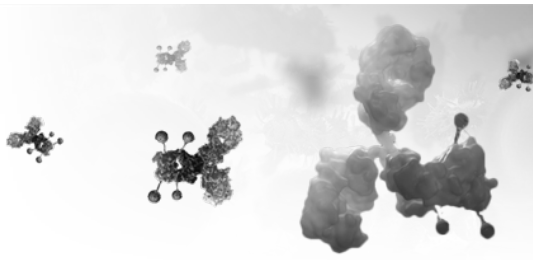

Anti-ABCD1 (aa 1-100) polyclonal antibody (DPAB-DC928)

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

PRODUCT INFORMATION

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 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.
Immunogen	ABCD1 (AAH15541, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MPVLSRPRPWRGNTLKRTAVLLALAAYGAHKVYPLVRQCLAPARGLQAPAGEPTQEASGV AAAKAGMNRVFLQRLLWLLRLLFPRVLCRETGLLALHSAA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ABCD1 ATP-binding cassette, sub-family D (ALD), member 1 [Homo sapiens (human)]
Official Symbol	ABCD1
Synonyms	ABCD1; ATP-binding cassette, sub-family D (ALD), member 1; ALD; AMN; ALDP; ABC42; ATP-binding cassette sub-family D member 1; adrenoleukodystrophy protein;
Entrez Gene ID	215
Protein Refseq	NP_000024
UniProt ID	P33897
Chromosome Location	Xq28
Pathway	ABC transporters; ABC-family proteins mediated transport; Beta-oxidation of very long chain fatty acids; Metabolism
Function	ATP binding; ATPase activity; ATPase activity, coupled to transmembrane movement of substances; enzyme binding

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