



Anti-ABCD4 (C-terminal) polyclonal antibody (DPABH-26110)

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. The function of this peroxisomal membrane protein is unknown. However, it is speculated that it may function as a heterodimer for another peroxisomal ABC transporter and, therefore, may modify the adrenoleukodystrophy phenotype. It may also play a role in the process of peroxisome biogenesis. Alternative splicing results in at least two different transcript variants, one which is protein-coding and one which is probably not protein-coding.
----------------------------	--

Immunogen	Synthetic peptide corresponding to internal sequence amino acids of Human ABCD4.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Format	Liquid
Size	100 µg

Buffer	pH: 7.40; Constituents: 49% PBS, 50% Glycerol, 0.88% Sodium chloride. Note: PBS without Mg2+ and Ca2+
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	ABCD4 ATP-binding cassette, sub-family D (ALD), member 5 [Homo sapiens]
Official Symbol	ABCD4
Synonyms	ABCD4; ATP-binding cassette, sub-family D (ALD), member 4; P70R; P79R; ABC41; MAHCJ; PMP69; PXMP1L; EST352188; ATP-binding cassette sub-family D member 4; PXMP1-L; PMP70-related protein; peroxisomal membrane protein 69; 69 kDa peroxisomal ABC-transporter;
Entrez Gene ID	5826
Protein Refseq	NP_005041.1
UniProt ID	A0A024R6B9
Pathway	ABC transporters; Peroxisome.
Function	ATP binding; ATPase activity, coupled to transmembrane movement of substances;