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Datasheet

ABCD1 MaxPab rabbit polyclonal antibody (D01)

Catalog Number: H00000215-D01

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against a full-length human ABCD1 protein.

Immunogen: ABCD1 (NP_000024.2, 1 a.a. ~ 745 a.a) full-length human protein.

Sequence:
MPVLSRPRPWRGNTLKRTAVLLALAAYGAHKVYPLVR
QCLAPARGLQAPAGEPTQEASGVAAAKAGMNRVFLQ
RLLWLLRLLFPRVLCRETGLLALHSAALVSRTFLSVYV
ARLDGRLARCIVRKDPRAFGWQLLQWLLIALPATFVNS
AIRYLEGQLALSFRSRLVAHAYRLYFSQQTYYRVSNM
DGRLRNPDQSLTEDVVAFAASVAHLYSNLTKPLLDVA
VTSYTLLRAARSRGAGTAWPSAIAGLVVFLTANVLRAF
SPKFGELVAEEARRKGELRYMHSRVVANSEEIAFYGG
HEVELALLQRSYQDLASQINLILLERLWYVMLEQFLMK
YVWSASGLLMVAVPIITATGYSESDAEAVKKAALEKKE
EELVSERTEAFTIARNLLTAAADAIERIMSSYKEVTELA
GYTARVHEMFQVFEDVQRCHFKRPRELEDAQAGSGT
IGRSGVRVEGPLKIRGQVVDVEQGIICENIPIVTPSGEV
VVASLNIRVEEGMHLLITGPNGCGKSSLFRILGGLWPT
YGGVLYKPPPQRMFYIPQRPYMSVGSLRDQVIYPDSV
EDMQRKGYSEQDLEAILDVVHLHHILQREGGWEAMC
DWKDVLSGGEKQRIGMARMFYHRPKYALLDECTSAV
SIDVEGKIFQAAKDAGIALLSITHRPSLWKYHTHLLQFD
GEGGWKFEKLDSAARLSLTEEKQRLEQQLAGIPKMQR
RLQELCQILGEAVAPAHVPAPSPQGPGGLQGAST

Host: Rabbit

Reactivity: Human

Applications: WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Storage Buffer: No additive

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

Entrez GeneID: 215

Gene Symbol: ABCD1

Gene Alias: ABC42, ALD, ALDP, AMN

Gene Summary: 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. [provided by RefSeq]