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Datasheet

ABCD3 monoclonal antibody (M04), clone 2H6

Catalog Number: H00005825-M04

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant ABCD3.

Clone Name: 2H6

Immunogen: ABCD3 (NP_002849.1, 351 a.a. ~ 449 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
SELLEDYYQSGRMLLRMSQALGRIVLAGREMTRLAGF
TARITELMQVLKDLNHGKYERTMVSQQEKGIEGVQVIP
LIPGAGEIIIADNIIKFDHVPLAT

Host: Mouse

Reactivity: Human

Applications: ELISA, S-ELISA
(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

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.2

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

Entrez GeneID: 5825

Gene Symbol: ABCD3

Gene Alias: ABC43, PMP70, PXMP1

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 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]