



Anti-ABHD5 (full length) polyclonal antibody (DPAB-DC2119)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to a large family of proteins defined by an alpha/beta hydrolase fold, and contains three sequence motifs that correspond to a catalytic triad found in the esterase/lipase/thioesterase subfamily. It differs from other members of this subfamily in that its putative catalytic triad contains an asparagine instead of the serine residue. Mutations in this gene have been associated with Chanarin-Dorfman syndrome, a triglyceride storage disease with impaired long-chain fatty acid oxidation.
Immunogen	ABHD5 (AAH21958, 1 a.a. ~ 349 a.a) full-length recombinant protein with GST tag. The sequence is MAAEEEEVDSADTGERSGWLTGWLPTWCPTSISHLKEAEKMLKCVPCPTYKKEPVRISNG NKIWTLKFSHNISNKTPLVLLHGFGGGGLWLALNFGDLCTNRPVYAFDLLGFGRSSRPRF DSDAEEVENQFVESIEEWRCALGLDKMILLGHNLGGFLAAAYSLSKYPNSRVNLILVEPWG FPERPDLADQDRPIPWIRALGAALTPFNPLAGLRIAGPFGSLVQQLRPDFKRKYSSMF EDDTVTEYIYHCNVQTPSGETAFKNMTIPYGWAKRPMQLQRIGKMHPDIPVSIVFGARSCI DGNSGTSIQSLRPHSYVKTIAILGAGHYVYADQPEEFNQKVKEICDTV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

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

GENE INFORMATION

Gene Name	ABHD5 abhydrolase domain containing 5 [Homo sapiens (human)]
Official Symbol	ABHD5
Synonyms	ABHD5; abhydrolase domain containing 5; CDS; CGI58; IECN2; NCIE2; 1-acylglycerol-3-phosphate O-acyltransferase ABHD5; lipid droplet-binding protein CGI-58; abhydrolase domain-containing protein 5;
Entrez Gene ID	51099
Protein Refseq	NP_057090
UniProt ID	Q8WTS1
Chromosome Location	3p21
Pathway	CDP-diacylglycerol biosynthesis I; Lipid digestion, mobilization, and transport; Metabolism of lipids and lipoproteins; triacylglycerol biosynthesis
Function	1-acylglycerol-3-phosphate O-acyltransferase activity; lysophosphatidic acid acyltransferase activity; NOT triglyceride lipase activity;
