



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

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	ABHD5 (AAH21958, 1 a.a. ~ 349 a.a) full-length recombinant protein with GST tag. The sequence is MAAEEEEVDSADTGERSGWLTGWLPTWCPTSISHLKEAEEKMLKCVPCTYKKEPVRI SNGNKIWTCLKFSHNISNKTPLVLLHGFGGGLGLWALNFGDLCTNRPVYAFDLLGFGRSSRP RFDSDAAEEVENQFVESIEEWRCALGLDKMILLGHNLGGFLAAAYSLKYPSRVNHLILVEPW GFPERPDLADQDRPIPVWIRALGAALTPFNPLAGLRIAGPFGLSLVQRLRPDFKRKYSSMF EDDTVTEYIYHCNVQTPSGETAFAKNMTIPYGWAKRPMLQRIGKMHDPDIPVSVIFGARSCI DGNSTGTSIQSLRPHSYVKTIAILGAGHYVYADQPEEFNQKVKEICDTVD
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None

**Storage**

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

## GENE INFORMATION

Gene Name	<a href="#">ABHD5 abhydrolase domain containing 5 [ Homo sapiens (human) ]</a>
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	<a href="#">51099</a>
Protein Refseq	<a href="#">NP_057090</a>
UniProt ID	<a href="#">Q8WTS1</a>
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;