



# Anti-ABHD5 monoclonal antibody, clone 2G4 (DCABH-809)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to Abhd5
<b>Antigen Description</b>	Lysophosphatidic acid acyltransferase which functions in phosphatidic acid biosynthesis. May regulate the cellular storage of triacylglycerol through activation of the phospholipase PNPLA2. Involved in keratinocyte differentiation.
<b>Immunogen</b>	Recombinant full length protein (Human)
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	2G4
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P
<b>Positive Control</b>	Human liver lysate, Jurkat cell lysate, Human skin tissue.
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	pH: 7.20; Constituent: 99% PBS
<b>Preservative</b>	None
<b>Storage</b>	store at -20°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

Gene Name	<a href="#">ABHD5 abhydrolase domain containing 5 [ Homo sapiens ]</a>
Official Symbol	ABHD5
Synonyms	ABHD5; abhydrolase domain containing 5; 1-acylglycerol-3-phosphate O-acyltransferase ABHD5; CGI 58; NCIE2; lipid droplet-binding protein CGI-58; abhydrolase domain-containing protein 5; CDS; CGI58; IECN2; MGC8731;
Entrez Gene ID	<a href="#">51099</a>
Protein Refseq	<a href="#">NP_057090</a>
UniProt ID	<a href="#">Q8WTS1</a>
Chromosome Location	3p25.3-p24.3
Pathway	CDP-diacylglycerol biosynthesis I, organism-specific biosystem; Hormone-sensitive lipase (HSL)-mediated triacylglycerol hydrolysis, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; phosphatidylglycerol biosynthesis II (non-plastidic), organism-specific biosystem; triacylglycerol biosynthesis, organism-specific biosystem.
Function	1-acylglycerol-3-phosphate O-acyltransferase activity; lysophosphatidic acid acyltransferase activity; transferase activity, transferring acyl groups; NOT triglyceride lipase activity;