



## Anti-PLD2 (aa 834-933) polyclonal antibody (DPAB-DC2271)

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 catalyzes the hydrolysis of phosphatidylcholine to phosphatidic acid and choline. The activity of the encoded enzyme is enhanced by phosphatidylinositol 4,5-bisphosphate and ADP-ribosylation factor-1. This protein localizes to the peripheral membrane and may be involved in cytoskeletal organization, cell cycle control, transcriptional regulation, and/or regulated secretion. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2011]
<b>Immunogen</b>	PLD2 (AAH15033, 834 a.a. ~ 933 a.a) partial recombinant protein with GST tag. The sequence is  LRDPICDDFFQLWQDMAESNANIYEQIFRCLPSNATRSLRTLREYVAVEPLATVSPPLAR SELTQVQGHLVHFPLKFLEDESLLPPLGSKEGMIPLEVWT
<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
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">PLD2 phospholipase D2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PLD2
<b>Synonyms</b>	PLD2; phospholipase D2; PLD1C; hPLD2; choline phosphatase 2; phosphatidylcholine-hydrolyzing phospholipase D2;
<b>Entrez Gene ID</b>	<a href="#">5338</a>
<b>Protein Refseq</b>	<a href="#">NP_001230037</a>
<b>UniProt ID</b>	<a href="#">O14939</a>
<b>Chromosome Location</b>	17p13.1
<b>Pathway</b>	Alpha-synuclein signaling; Arf1 pathway; Arf6 trafficking events; Endocytosis
<b>Function</b>	N-acylphosphatidylethanolamine-specific phospholipase D activity; phosphatidylinositol binding; phospholipase D activity; protein binding