



# Anti-PLCE1 (aa 731-873) polyclonal antibody (DPABH-18081)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. PLCE1 is a bifunctional enzyme which also regulates small GTPases of the Ras superfamily through its Ras guanine-exchange factor (RasGEF) activity. As an effector of heterotrimeric and small G-protein, it may play a role in cell survival, cell growth, actin organization and T-cell activation.
<b>Immunogen</b>	antigen sequence, corresponding to internal sequence amino acids 731-873 of Human Phospholipase C epsilon 1.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, IHC-P
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.20; Constituents: 59% PBS, 40% Glycerol
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

# GENE INFORMATION

Gene Name	<a href="#">PLCE1 phospholipase C, epsilon 2 [ Homo sapiens ]</a>
Official Symbol	PLCE1
Synonyms	PLCE1; phospholipase C, epsilon 1; PLCE; PPLC; NPHS3; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase epsilon-1; PLC-epsilon-1; pancreas-enriched phospholipase C; phosphoinositide phospholipase C-epsilon-1; phosphoinositide-specific phospholipase C epsilon-1;
Entrez Gene ID	<a href="#">51196</a>
Protein Refseq	<a href="#">NP_001159451.1</a>
UniProt ID	<a href="#">Q9P212</a>
Pathway	Calcium signaling pathway; D-myo-inositol (1,4,5)-trisphosphate biosynthesis; D-myo-inositol-5-phosphate metabolism; Inositol phosphate metabolism
Function	Ras GTPase binding; calcium ion binding; enzyme binding; guanyl-nucleotide exchange factor activity