



# 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   |