

## PLCB1 polyclonal antibody (A01)

Catalog # H00023236-A01

Size 50 uL

### Specification

|                               |                                                                                                                    |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Product Description           | Mouse polyclonal antibody raised against a partial recombinant PLCB1.                                              |
| Immunogen                     | PLCB1 (NP_056007, 1107 a.a. ~ 1216 a.a) partial recombinant protein with GST tag.                                  |
| Sequence                      | VQYIKRLEEAQSKRQEKLVEKHKEIRQQILDEKPKLQVELEQEYQDKFKRLPLEILEFVQEAMKGKI<br>SEDSNHGSAPLSLSSDPGKVNHKTPSSEELGGDIPGKEFDTPL |
| Host                          | Mouse                                                                                                              |
| Reactivity                    | Human                                                                                                              |
| Interspecies Antigen Sequence | Mouse (98); Rat (98)                                                                                               |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.                                                                     |
| Storage Buffer                | 50 % glycerol                                                                                                      |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                           |

### Applications

- ELISA

### Gene Info — PLCB1

|                     |                           |
|---------------------|---------------------------|
| Entrez GeneID       | <a href="#">23236</a>     |
| GeneBank Accession# | <a href="#">NM_015192</a> |
| Protein Accession#  | <a href="#">NP_056007</a> |
| Gene Name           | PLCB1                     |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Alias         | FLJ45792, PI-PLC, PLC-154, PLC-I, PLC154                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Description   | phospholipase C, beta 1 (phosphoinositide-specific)                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Omim ID            | <a href="#">607120</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Summary       | The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of many extracellular signals. This gene is activated by two G-protein alpha subunits, alpha-q and alpha-11. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq] |
| Other Designations | 1-phosphatidyl-D-myo-inositol-4,5-bisphosphate 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta 1 OTTHUMP00000030237 OTTHUMP00000030238 OTTHUMP00000030239 PLC-beta-1 inositoltrisphosphohydrolase monophosphatidylinositol phosphodiesterase pho                                                                                                                                                                                                                     |

## Pathway

- [Calcium signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Gap junction](#)
- [GnRH signaling pathway](#)
- [Inositol phosphate metabolism](#)
- [Long-term depression](#)
- [Long-term potentiation](#)
- [Melanogenesis](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)
- [Vascular smooth muscle contraction](#)
- [Wnt signaling pathway](#)

## Disease

- [Asthma](#)

- [Carcinoma](#)
- [Celiac Disease](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Tobacco Use Disorder](#)