

# PLC $\beta$ 3 (Phospho Ser1105) Rabbit pAb

CatalogNo: YP0606

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- WB, IHC, IF, ELISA

### MW

- 160kD (Observed)

### Isotype

- IgG

## Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

## Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**ELISA 1:10000**

**IF 1:50-200**

## Basic Information

**Clonality** Polyclonal

## Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human PLCB3 around the phosphorylation site of Ser1105. AA range:1071-1120

**Specificity** Phospho-PLC  $\beta$ 3 (S1105) Polyclonal Antibody detects endogenous levels of PLC  $\beta$ 3 protein only when phosphorylated at S1105. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):NNSIS

## Target Information

**Gene name** PLCB3

**Protein Name** 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3

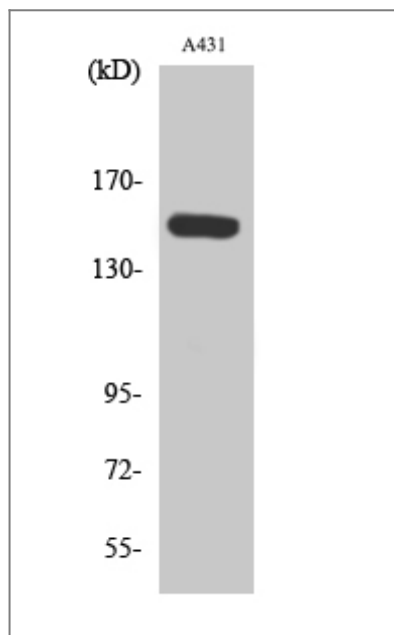
| Organism | Gene ID                | UniProt ID               |
|----------|------------------------|--------------------------|
| Human    | <a href="#">5331</a> ; | <a href="#">Q01970</a> ; |
| Mouse    |                        | <a href="#">P51432</a> ; |
| Rat      |                        | <a href="#">Q99JE6</a> ; |

**Cellular Localization** Cytoplasm . Membrane . Nucleus . And particulate fractions. .

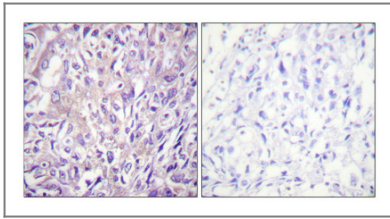
**Tissue specificity** Epithelium,Uterus,

**Function** Catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1D-myo-inositol 1,4,5-trisphosphate + diacylglycerol.,cofactor:Calcium.,Function: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.,similarity:Contains 1 C2 domain.,similarity:Contains 1 PI-PLC X-box domain.,similarity:Contains 1 PI-PLC Y-box domain.,subunit:Interacts with SHANK2 (By similarity). Interacts with LPAR2.,

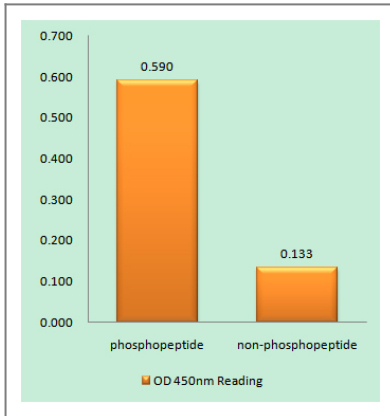
## Validation Data



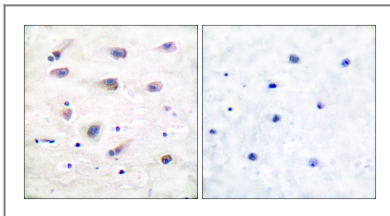
Western Blot analysis of various cells using Phospho-PLC beta 3 (S1105) Polyclonal Antibody diluted at 1:1000



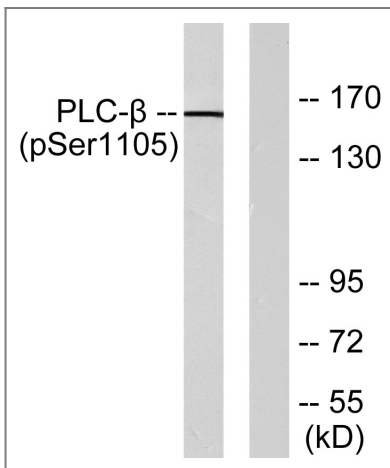
Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4°C overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using PLCB3 (Phospho-Ser1105) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using PLCB3 (Phospho-Ser1105) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from A431 cells, using PLCB3 (Phospho-Ser1105) Antibody. The lane on the right is blocked with the phospho peptide.

## Contact information

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Please scan the QR code to access additional product information:  
**PLCβ3 (Phospho Ser1105) Rabbit pAb**

