# Anti-PLCB1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P104622

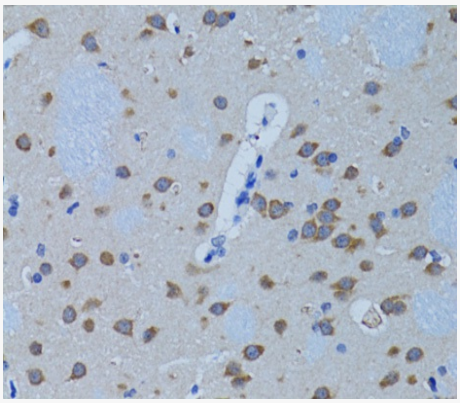
## Product Information

| | |
|---|---|
| Application | WB, IHC-P, ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:500~1:2000; IHC-P 1:50~1:200 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | Recombinant fusion protein containing a sequence corresponding to amino acids 917-1216 of human PLCB1 (NP_056007.1). |
| Format | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-PLCB1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures. |

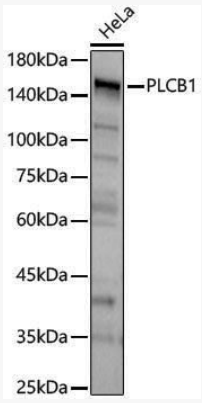
## Protein Information

| | |
|---|---|
| Synonyms | DEE12; PLC-I; EIEE12; PI-PLC; PLC154; PLCB1A; PLCB1B; PLC-154; PLC-beta-1; PLCB1. |
| Calculated MW | Calculated MW: 139 kDa; Observed MW: 150 kDa |
| Uniprot ID | Q9NQ66 |
| Gene ID | 23236 |
| Background | 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. |

## Validation Images



Immunohistochemistry analysis of paraffin-embedded Rat brain using PLCB1 Rabbit pAb (P104622) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.




Western blot analysis of lysates from HeLa cells using PLCB1 Rabbit pAb (P104622) at 1:500 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 60s.