Phospholipase C beta 1
Polyclonal ANTIBODY

Catalog Number: 26551-1-AP

Basic Information

- Catalog Number: 26551-1-AP
- Size: 50 μg/150 μl
- Source: Rabbit
- Isotype: IgG
- Purification Method: Antigen affinity purification
- Immunogen Catalog Number: AG24750
- GenBank Accession Number: BC069420
- GenelD (NCBI): 23026
- Full Name: phospholipase C, beta 1 (phosphoinositide-specific)
- Calculated MW: 1216aa, 139 kDa
- Observed MW: 139 kDa

Recommended Dilutions:
- WB: 1:500-1:2000
- IHC: 1:50-1:500

Applications

- Tested Applications: IHC, WB, ELISA
- Species Specificity: human, rat, mouse

Positive Controls:
- WB: mouse brain tissue; rat brain tissue
- IHC: human gliomas tissue; human breast cancer tissue

Background Information

PLCB1 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. PLCB1 is activated by two G protein alpha subunits, alpha-q and alpha-11.

Notable Publications


Storage

- Storage: Store at -20°C. Stable for one year after shipment.
- Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

Mouse brain tissue were subjected to SDS PAGE followed by western blot with 26551-1-AP (Phospholipase C beta 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemistry of paraffin-embedded human gliomas tissue slide using 26551-1-AP Phospholipase C beta 1 antibody at dilution of 1:200 (under 10x lens).

Immunohistochemistry of paraffin-embedded human gliomas tissue slide using 26551-1-AP Phospholipase C beta 1 antibody at dilution of 1:200 (under 40x lens).