Phospholipase C Beta 1 Polyclonal antibody

Catalog Number: 26551-1-AP

Basic Information

Catalog Number: 26551-1-AP
Size: 150μl, Concentration: 700 μg/ml by Nanodrop and 333 μg/ml by Bradford method using BSA as the standard
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG24750

GenBank Accession Number: BC069420
GeneID (NCBI): 23236

Full Name: phospholipase C, beta 1 (phosphoinositide-specific)

Calculated MW: 1216 aa, 139 kDa
Observed MW: 139 kDa

Purification Method: Antigen affinity purification
Recommended Dilutions:
WB: 1:500-1:2000
IHC: 1:50-1:500

Applications

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

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

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<th>Author</th>
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<tbody>
<tr>
<td>Linchong Sun</td>
<td>37500770</td>
<td>Nat Chem Biol</td>
<td>WB, IHC</td>
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<tr>
<td>Yulin Wang</td>
<td>37208557</td>
<td>Biochem Genet</td>
<td>WB</td>
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<tr>
<td>Luyun Zhang</td>
<td>37265700</td>
<td>Front Endocrinol (Lausanne)</td>
<td>WB</td>
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Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
E: proteintech@ptglab.com
W: ptglab.com

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.

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

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