

Phospholipase C Beta 1 Polyclonal antibody

Catalog Number: 26551-1-AP

Featured Product

5 Publications

Basic Information

Catalog Number:

26551-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24750

GenBank Accession Number:

BC069420

GeneID (NCBI):

23236

UNIPROT ID:

Q9NQ66

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:

WB, IHC, ELISA

Cited Applications:

WB, IHC, RIP

Species Specificity:

human, rat, mouse

Cited Species:

human, sheep

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

Author	Pubmed ID	Journal	Application
Shenhui Dai	38778543	Thorac Cancer	WB, RIP
Yu Liang	38731807	Int J Mol Sci	WB
Linchong Sun	37500770	Nat Chem Biol	WB, IHC

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

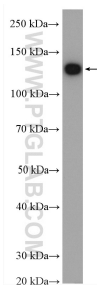
For technical support and original validation data for this product please contact:

T: 4006900926

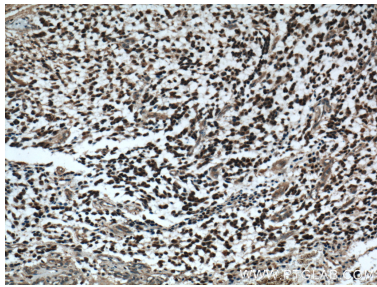
E: Proteintech-CN@ptglab.comW: ptgcn.com

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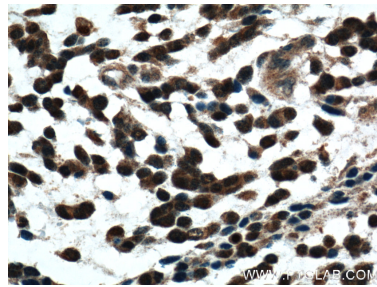
Selected Validation Data



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).