

For Research Use Only

Phospholipase C Beta 1 Polyclonal antibody

Catalog Number: 26551-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

26551-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

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, rat, 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
Zhirong Zhou	39884485	J Ethnopharmacol	WB,IHC
Shenhui Dai	38778543	Thorac Cancer	WB,RIP
Yu Liang	38731807	Int J Mol Sci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

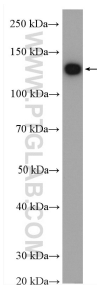
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

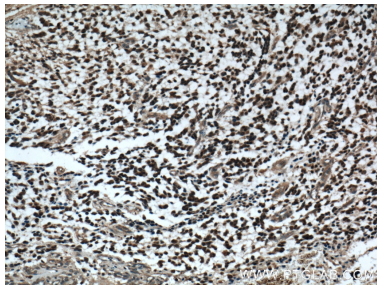
E: proteintech@ptglab.com
W: ptglab.com

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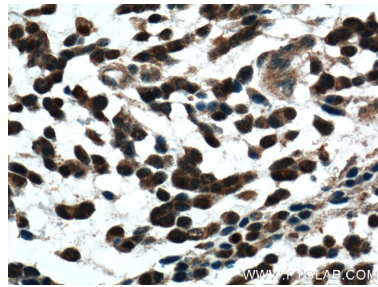
Selected Validation Data



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).