

For Research Use Only

Phospholipase C Beta 1 Polyclonal antibody

Catalog Number: 26551-1-AP

Featured Product

5 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, 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

*** 20ul sizes contain 0.1% BSA

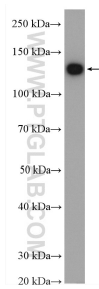
For technical support and original validation data for this product please contact:

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

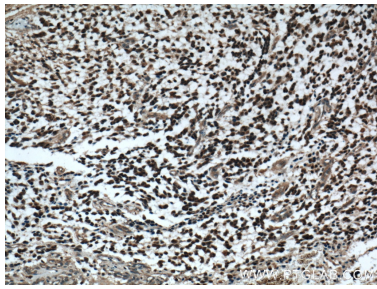
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

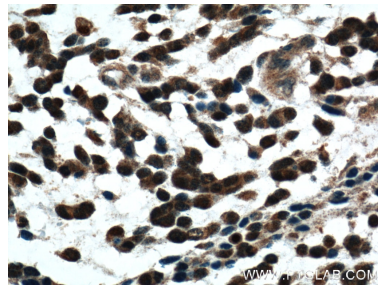
Selected Validation Data



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).