

Phospholipase C beta 2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58450

Specification

Phospholipase C beta 2 Polyclonal Antibody - Product Information

Application	FC, WB, IHC-P, IF
Primary Accession	Q00722
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	134024

Phospholipase C beta 2 Polyclonal Antibody - Additional Information

Gene ID 5330

Other Names

1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase beta-2, 3.1.4.11, Phosphoinositide phospholipase C-beta-2, Phospholipase C-beta-2, PLC-beta-2, PLCB2 (HGNC:9055)

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Phospholipase C beta 2 Polyclonal Antibody - Protein Information

Name PLCB2 ([HGNC:9055](#))

Function

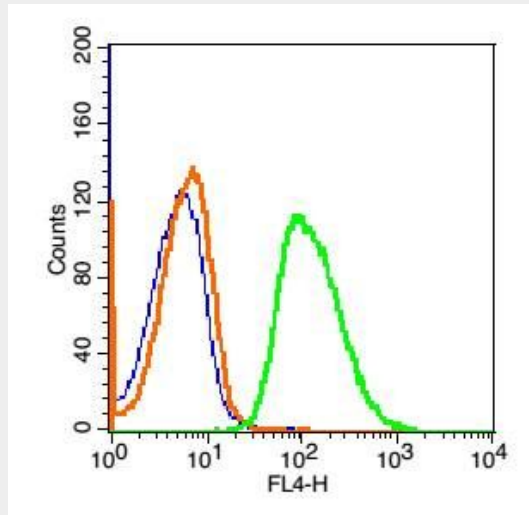
The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes (PubMed:1644792, PubMed:9188725). In neutrophils, participates in a phospholipase C-activating N-formyl peptide-activated GPCR (G protein- coupled receptor) signaling pathway by promoting RASGRP4 activation by DAG, to promote neutrophil functional responses (By similarity).

Phospholipase C beta 2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

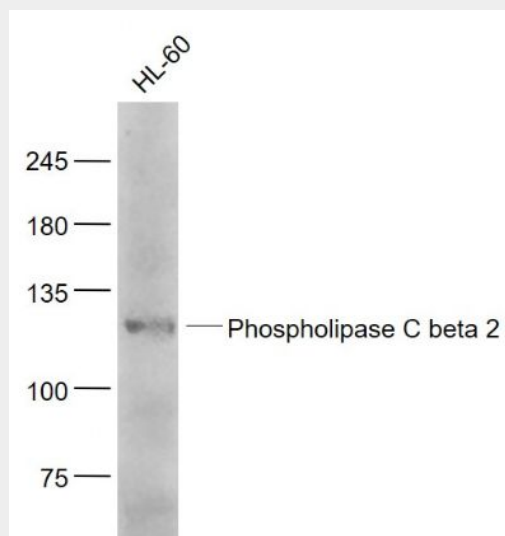
Phospholipase C beta 2 Polyclonal Antibody - Images



Blank control: Hela Cells(fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice).

Primary Antibody: Rabbit Anti-Phospholipase C beta 2/AF647 Conjugated antibody (bs-6472R-AF647), Dilution: 1 μ g in 100 μ L 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG/AF647(orange) ,used under the same conditions.



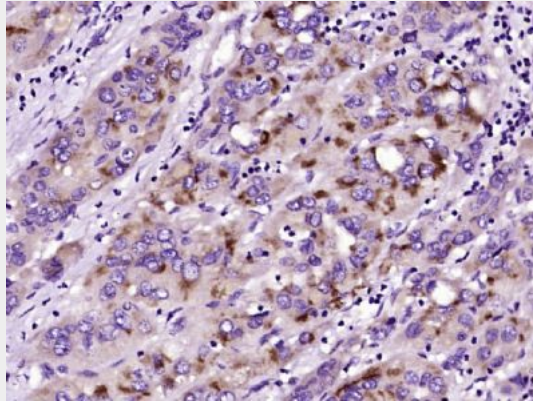
Sample:

HL-60(Human) Cell Lysate at 30 μ g

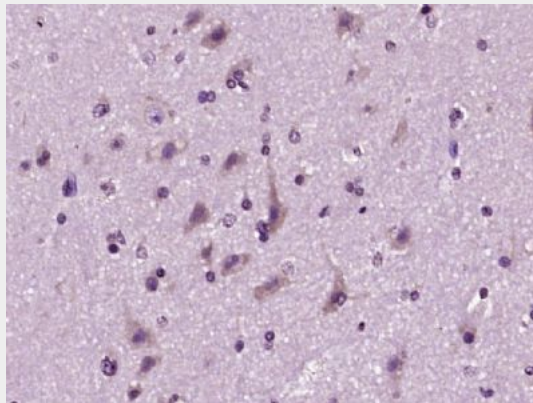
Primary: Anti- Phospholipase C beta 2 (bs-6472R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

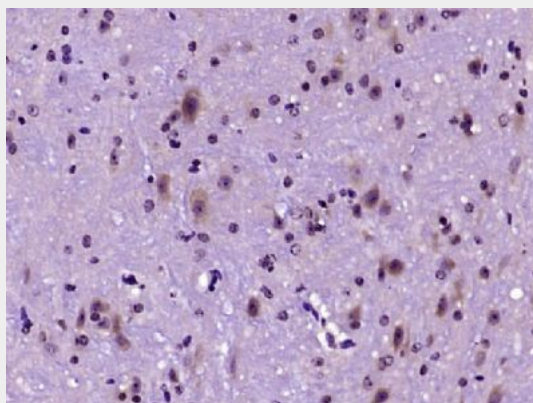
Predicted band size: 130 kD
Observed band size: 130 kD



Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PLCB2) Polyclonal Antibody, Unconjugated (bs-6472R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

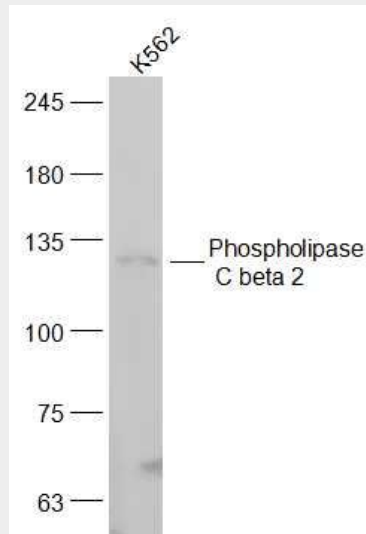


Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PLCB2) Polyclonal Antibody, Unconjugated (bs-6472R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

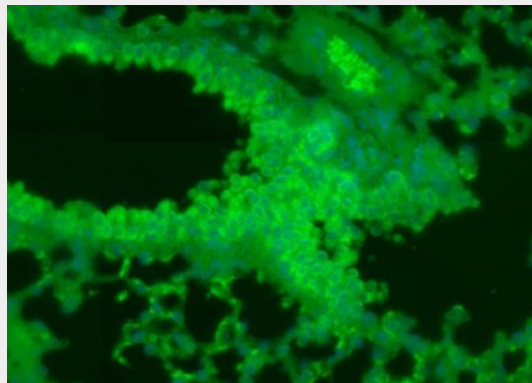


Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide

for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PLCB2) Polyclonal Antibody, Unconjugated (bs-6472R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Sample:
K562(Human) Cell Lysate at 30 ug
Primary: Anti-Phospholipase C beta 2 (bs-6472R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 130 kD
Observed band size: 130 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospholipase C beta 2) Polyclonal Antibody, Unconjugated (bs-6472R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-FITC) for 90 minutes, and DAPI for nuclei staining.