



Rabbit Anti-Phospholipase C beta 2 antibody

SL6472R

Product Name:	Phospholipase C beta 2
Chinese Name:	磷脂酶Cβ2抗体
Alias:	PLCβ2; 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-2 ; 1-phosphatidylinositol-4; 5-bisphosphate phosphodiesterase beta-2; FLJ38135; Phosphoinositide phospholipase C-beta-2; Phospholipase C-beta-2; PLC-beta-2; Plcb2; PLCB2 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg/TestIF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	130kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Phospholipase C beta 2:401-500/1185
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

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.

Subunit:

Interacts with RAC1.

Similarity:

Contains 1 C2 domain.

Contains 1 PI-PLC X-box domain.

Contains 1 PI-PLC Y-box domain.

SWISS:

Q00722

Gene ID:

5330

Database links:

[Entrez Gene: 5330](#)Human

[Entrez Gene: 18796](#)Mouse

[Entrez Gene: 85240](#)Rat

[Omim: 604114](#)Human

[SwissProt: Q00722](#)Human

[SwissProt: A3KGF7](#)Mouse

[SwissProt: O89040](#)Rat

[Unigene: 355888](#)Human

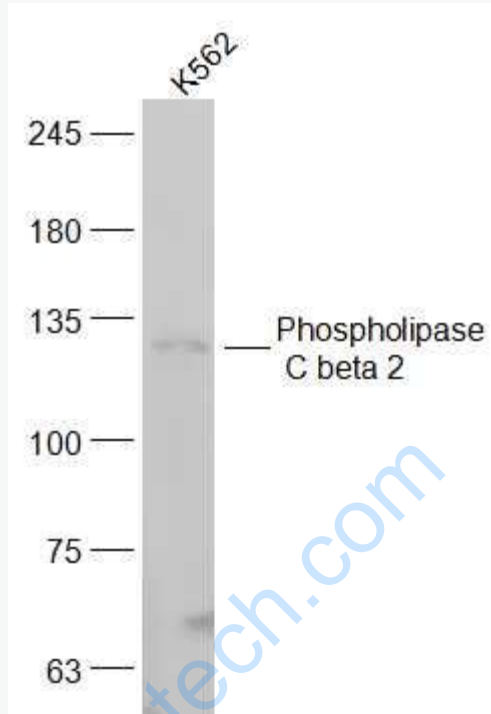
[Unigene: 215156](#)Mouse

[Unigene: 30033](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

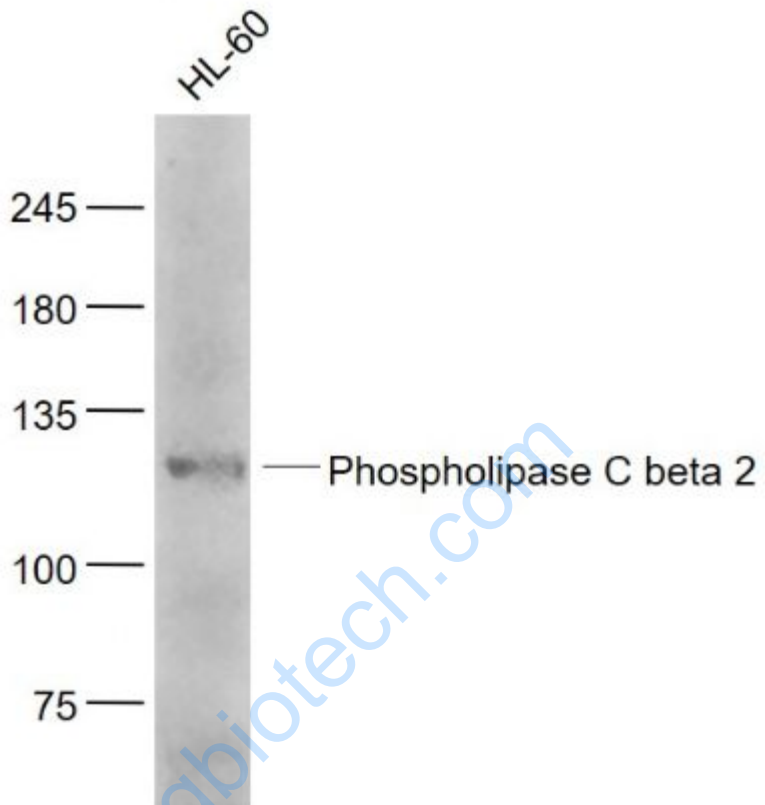
K562(Human) Cell Lysate at 30 ug

Primary: Anti-Phospholipase C beta 2 (SL6472R) at 1/300 dilution

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

Predicted band size: 130 kD

Observed band size: 130 kD



Sample:

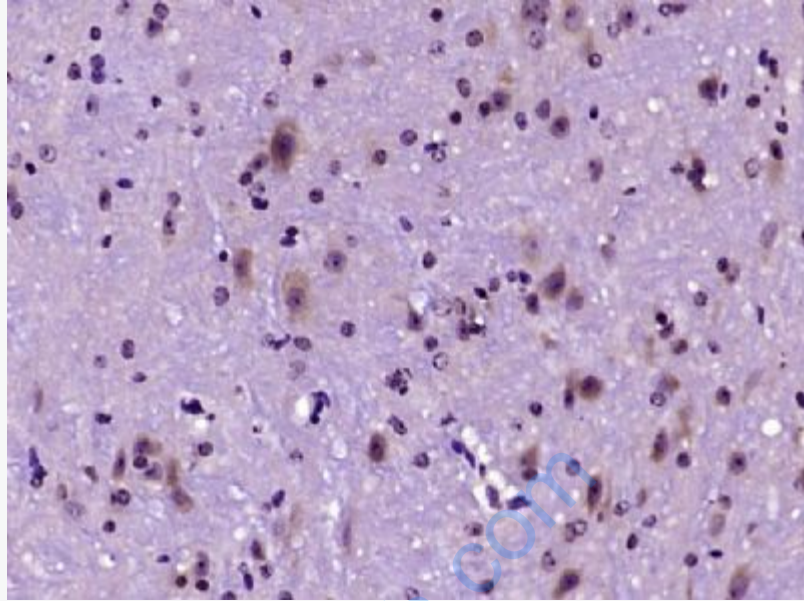
HL-60(Human) Cell Lysate at 30 ug

Primary: Anti- Phospholipase C beta 2 (SL6472R) at 1/1000 dilution

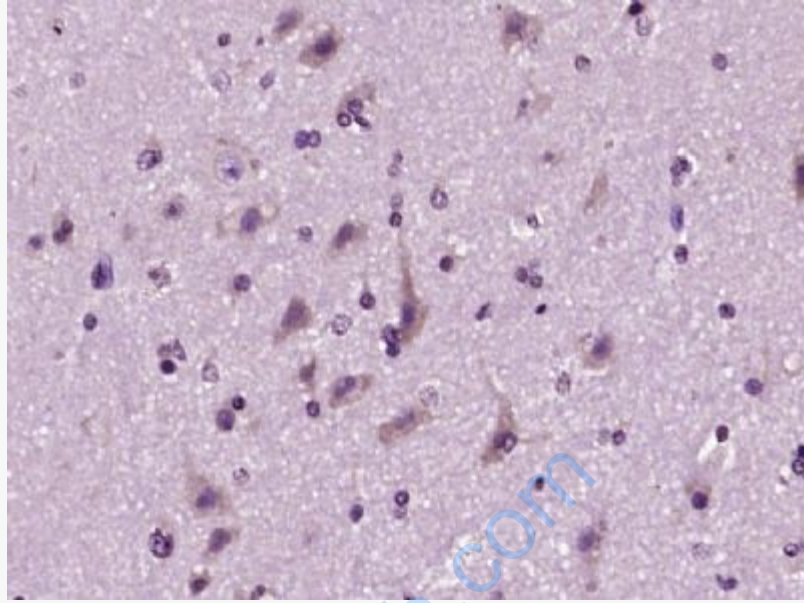
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 130 kD

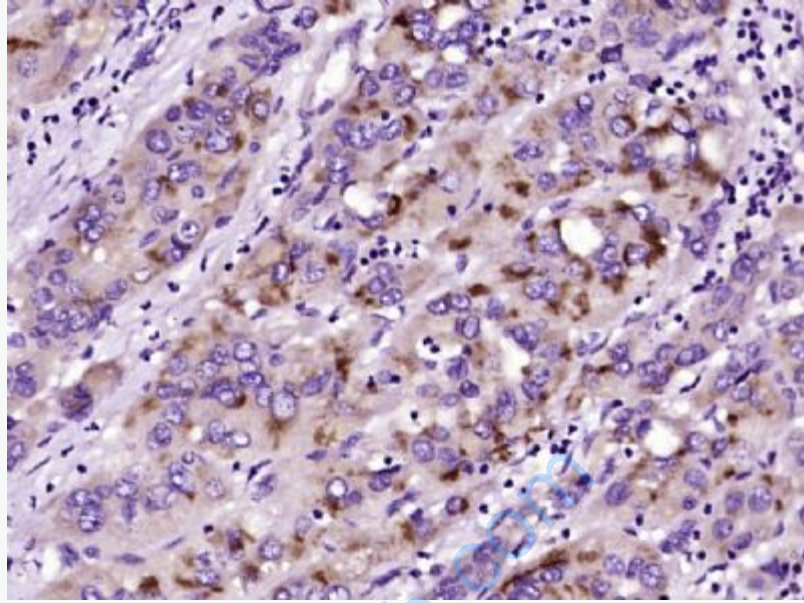
Observed band size: 130 kD



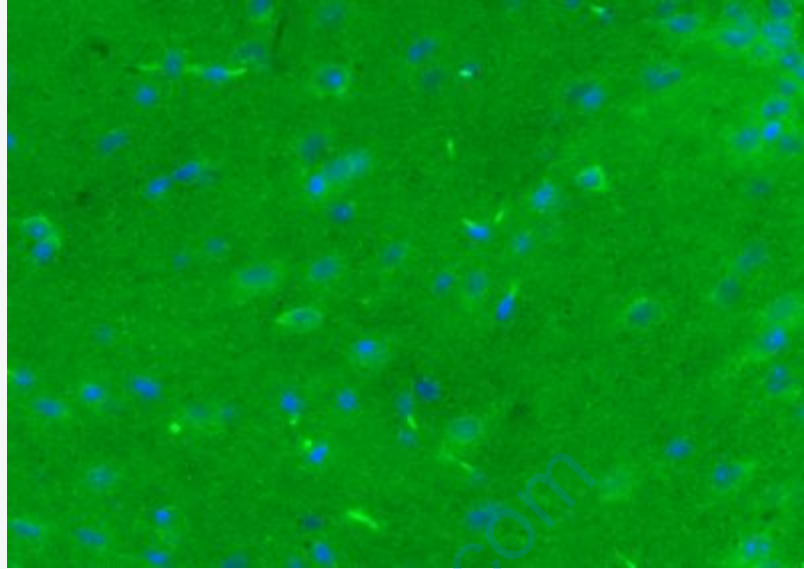
Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PLCB2) Polyclonal Antibody, Unconjugated (SL6472R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



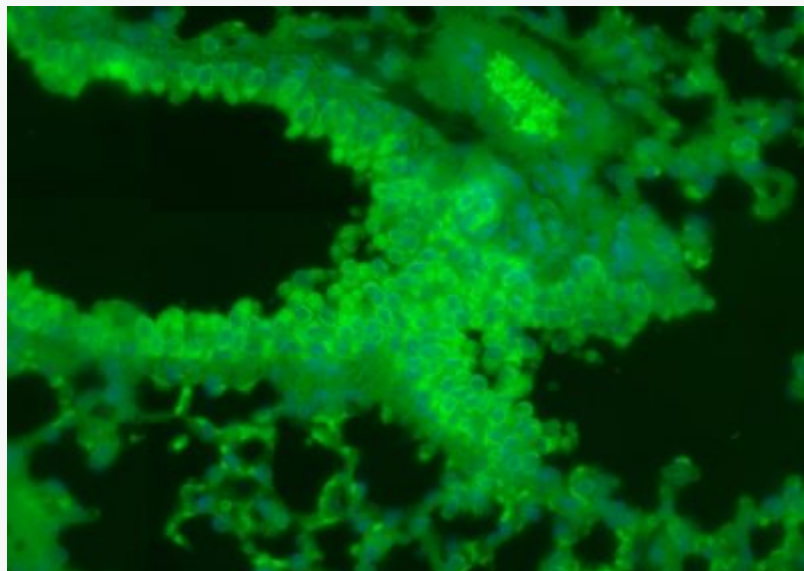
Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PLCB2) Polyclonal Antibody, Unconjugated (SL6472R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



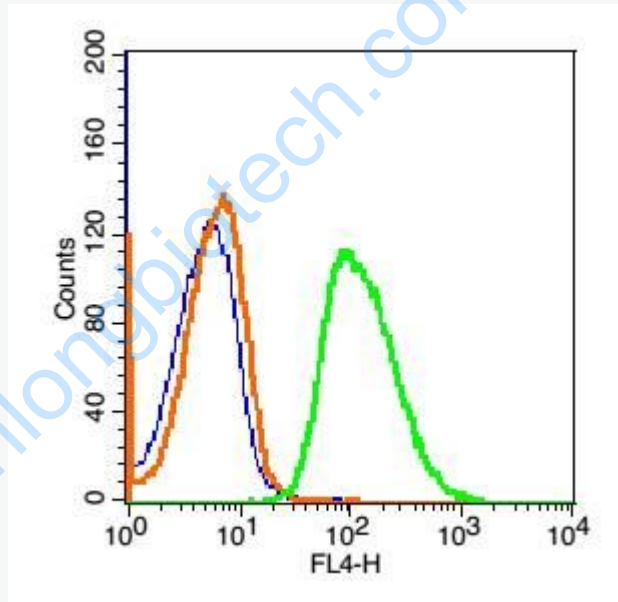
Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PLCB2) Polyclonal Antibody, Unconjugated (SL6472R) 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); 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 (SL6472R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (SL6472R) for 90 minutes, and DAPI for nuclei staining.



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 (SL6472R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (SL6472R) for 90 minutes, and DAPI for nuclei staining.



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 (SL6472R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA;

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