

PLCB2 Polyclonal antibody

Catalog Number: 27456-1-AP

Basic Information

Catalog Number: 27456-1-AP	GenBank Accession Number: BC000939	Purification Method: Antigen affinity purification
Size: 800 µg/ml	GeneID (NCBI): 5330	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: Q00722	IHC 1:300-1:1200
Isotype: IgG	Full Name: phospholipase C, beta 2	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG25771	Calculated MW: 134 kDa	
	Observed MW: 134 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human

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 : THP-1 cells, HL-60 cells

IHC : mouse liver tissue,

IF/ICC : THP-1 cells,

Background Information

PLCB2 (1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2) is also named as PLC-beta-2. PLCB2 is a critical regulator of platelet responses upon activation (PMID: 27465150). NF-κB regulates expression of PLC-β 2. The PLCB2 genes was found to be differentially expressed in human breast cancer MCF-7 cells, and to be associated with multidrug resistance (PMID: 2951275). The knockdown of PLCB2 suppressed cell viability and promoted cell apoptosis by activating the Ras/Raf/MAPK pathway. Thus, PLCB2 may utilized as a potential therapeutic target in patients with melanoma (PMID: 31746389).

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:

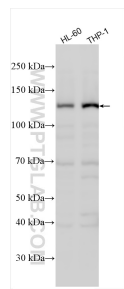
T: 4006900926

E: Proteintech-CN@ptglab.com

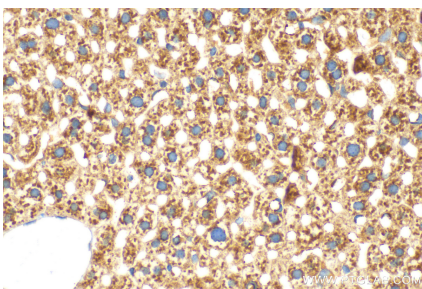
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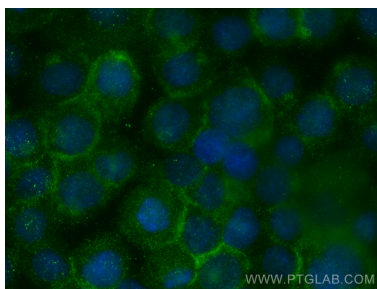
Selected Validation Data



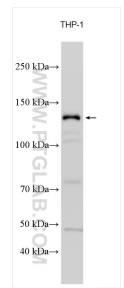
Various lysates were subjected to SDS PAGE followed by western blot with 27456-1-AP (PLCB2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 27456-1-AP (PLCB2 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using PLCB2 antibody (27456-1-AP) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 27456-1-AP (PLCB2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.