

For Research Use Only

PLSCR3 Polyclonal antibody

Catalog Number: 28028-1-AP

1 Publications



Basic Information

Catalog Number:

28028-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27655

GenBank Accession Number:

BC011735

GeneID (NCBI):

57048

UNIPROT ID:

Q9NRY6

Full Name:

phospholipid scramblase 3

Calculated MW:

32 kDa

Observed MW:

32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

Human, Mouse, rat

Cited Species:

mouse

Positive Controls:

WB: mouse kidney tissue, A431 cells, mouse liver tissue, mouse lung tissue, rat kidney tissue, rat liver tissue, rat lung tissue, BxPC-3 cells

IHC: human liver cancer tissue, human breast cancer tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

PLSCR3, also named as PLS3, belongs to the phospholipid scramblase family. It may mediate accelerated ATP-independent bidirectional transbilayer migration of phospholipids upon binding calcium ions that results in a loss of phospholipid asymmetry in the plasma membrane. PLSCR3 may play a central role in the initiation of fibrin clot formation, in the activation of mast cells and in the recognition of apoptotic and injured cells by the reticuloendothelial system. It is a target of protein kinase C- δ (PKC- δ), resides in mitochondria and plays pivotal roles in regulating apoptotic response. Phosphorylation of PLSCR3 by PKC- δ is involved in the hyperthermia-induced apoptotic signal transduction pathway in Tca8113 cells, and that Hsp27 blocks this pathway to suppress hyperthermia-induced apoptosis. (PMID:20569108)

Notable Publications

Author	Pubmed ID	Journal	Application
Dongming Yang	37333615	Front Mol Neurosci	WB

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

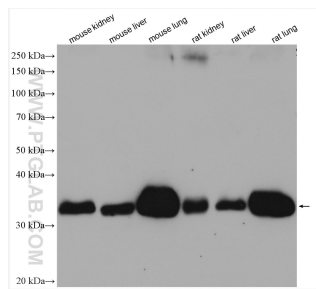
For technical support and original validation data for this product please contact:

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

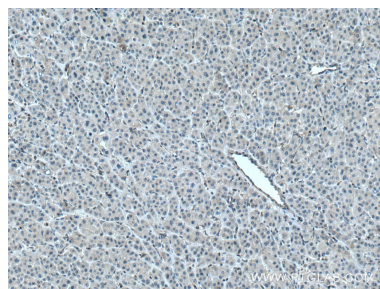
E: proteintech@ptglab.com
W: ptglab.com

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

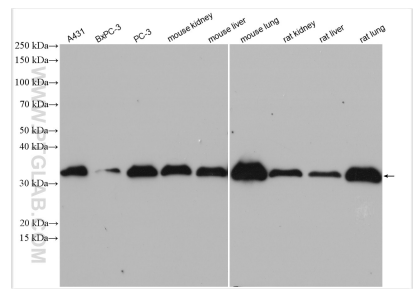
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28028-1-AP (PLSCR3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 28028-1-AP (PLSCR3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Various lysates were subjected to SDS PAGE followed by western blot with 28028-1-AP (PLSCR3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.