

For Research Use Only

PLSCR3 Polyclonal antibody

Catalog Number: 51061-2-Ig **2 Publications**



Basic Information

Catalog Number: 51061-2-Ig	GenBank Accession Number: BC093026	Purification Method: Protein A purification
Size: 150ul, Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 57048	Recommended Dilutions: IHC 1:20-1:200
Source: Rabbit	Full Name: phospholipid scramblase 3	
Isotype: IgG	Calculated MW: 32 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC: human kidney tissue, human skeletal muscle tissue
Cited Applications: WB	
Species Specificity: human	
Cited Species: human, mouse	
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
Li Chen	35313046	Hepatology	WB
Jiang Wen W	20569108	Int J Hyperthermia	WB

Storage

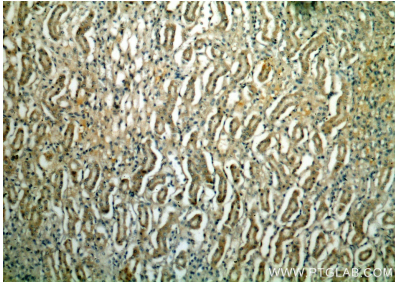
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

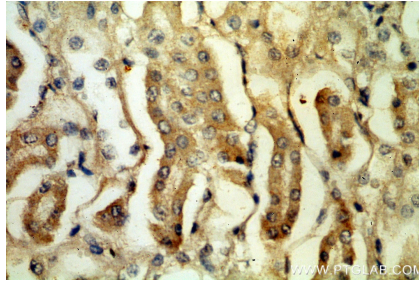
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney using 51061-2-Ig(PLSCR3 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 51061-2-Ig(PLSCR3 antibody) at dilution of 1:50 (under 40x lens).