

For Research Use Only

PLSCR3 Polyclonal antibody

Catalog Number: 28028-1-AP **1 Publications**



Basic Information

Catalog Number: 28028-1-AP	GenBank Accession Number: BC011735	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 57048	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NRY6	
Isotype: IgG	Full Name: phospholipid scramblase 3	
Immunogen Catalog Number: AG27655	Calculated MW: 32 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB: mouse kidney tissue, A431 cells, mouse liver tissue, mouse lung tissue, rat kidney tissue, rat liver tissue, rat lung tissue, BxPC-3 cells
Species Specificity: Human, Mouse, rat	IHC: human liver cancer tissue, human breast cancer tissue
Cited Species: 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
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

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

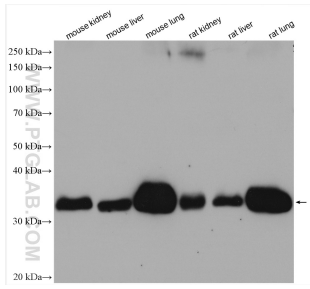
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E: Proteintech-CN@ptglab.com

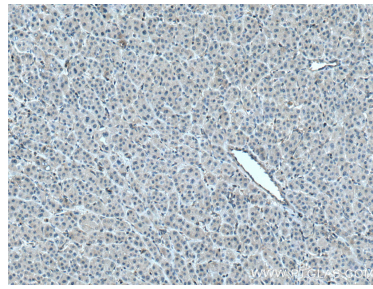
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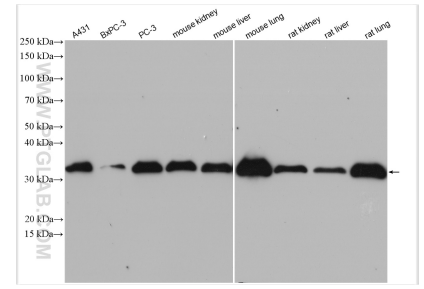
Selected Validation Data



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.