

For Research Use Only

PLA2G12B Polyclonal antibody

Catalog Number: 25799-1-AP



Basic Information

Catalog Number: 25799-1-AP	GenBank Accession Number: BC111946	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop;	GeneID (NCBI): 84647	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	Full Name: phospholipase A2, group XIIB	
Isotype: IgG	Calculated MW: 195 aa, 22 kDa	
Immunogen Catalog Number: AG22877	Observed MW: 21-22 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse liver tissue, rat liver tissue
Species Specificity: mouse, rat	

Background Information

Phospholipase A2 (PLA2) enzymes catalyze hydrolysis of glycolipids to release free fatty acids and lysophospholipids. PLA2G12B is a secreted group XIIB secretory phospholipase A2-like protein belonging to the PLA2 family, but it is catalytically inactive due to an amino acid change in its active site and has altered phospholipid-binding properties (PMID: 14516201). It is located outside the cell membranes and strongly expressed in liver, small intestine and kidney, and recently reports revealed that Pla2g12b gene may be implicated in HDL cholesterol levels and metabolism (PMID: 22912808). The calculated molecular weight of PLA2G12B is 21 kDa.

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

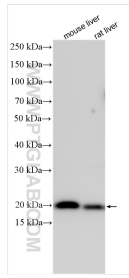
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25799-1-AP (PLA2G12B antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.