

For Research Use Only

PLA2G4B Polyclonal antibody

Catalog Number:55074-1-AP



Basic Information

Catalog Number: 55074-1-AP	GenBank Accession Number: NM_001114633	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 193 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 100137049	Recommended Dilutions: WB 1:200-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: phospholipase A2, group IVB (cytosolic)	
Isotype: IgG	Calculated MW: 88 kDa	
	Observed MW: ~88 kDa	

Applications

Tested Applications: IHC, WB,ELISA	Positive Controls: WB : human plasma tissue, IHC : human gliomas tissue,
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	

Background Information

PLA2G4B, also named as cPLA2-beta, is a member of the cytosolic phospholipase A2 protein family. It is calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position with a preference for arachidonoyl phospholipids. PLA2G4B has five isoforms with MW 88 kDa, 100 kDa, 55 kDa and 114 kDa.

Storage

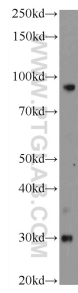
Storage:
Store at -20°C.
Storage Buffer:
0.1M NaHCO₃, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

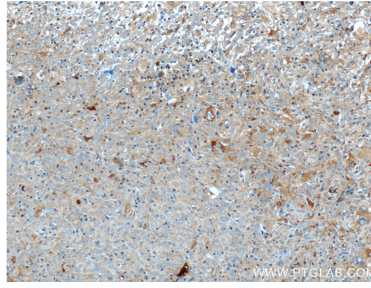
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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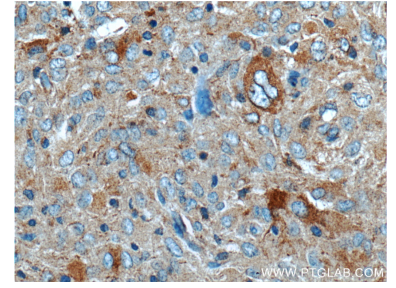
Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 55074-1-AP (PLA2G4B Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 55074-1-AP (PLA2G4B Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 55074-1-AP (PLA2G4B Antibody) at dilution of 1:50 (under 40x lens).