

PLA1A Polyclonal Antibody

Catalog No :	YT3783
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	PLA1A
Fields :	>>Glycerophospholipid metabolism;>>Ras signaling pathway
Gene Name :	PLA1A
Protein Name :	Phospholipase A1 member A
Human Gene Id :	51365
Human Swiss Prot No :	Q53H76
Mouse Swiss Prot No :	Q8VI78
Immunogen :	The antiserum was produced against synthesized peptide derived from human PLA1A. AA range:381-430
Specificity :	PLA1A Polyclonal Antibody detects endogenous levels of PLA1A protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 45-50kD

Background : The protein encoded by this gene is a phospholipase that hydrolyzes fatty acids at the sn-1 position of phosphatidylserine and 1-acyl-2-lysophosphatidylserine. This secreted protein hydrolyzes phosphatidylserine in liposomes. Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, May 2011],

Function : function:Hydrolyzes the ester bond at the sn-1 position of glycerophospholipids and produces 2-acyl lysophospholipids. Hydrolyzes phosphatidylserine (PS) in the form of liposomes and 1-acyl-2 lysophosphatidylserine (lyso-PS), but not triolein, phosphatidylcholine (PC), phosphatidylethanolamine (PE), phosphatidic acid (PA) or phosphatidylinositol (PI). Isoform 2 hydrolyzes lyso-PS but not PS. Hydrolysis of lyso-PS in peritoneal mast cells activated by receptors for IgE leads to stimulate histamine production.,similarity:Belongs to the AB hydrolase superfamily. Lipase family.,tissue specificity:Widely expressed. Expressed in placenta, prostate and liver. Weakly or not expressed in skin, leukocytes, platelets, colon, spleen, lung, muscle and kidney.,

Subcellular Location : Secreted .

Expression : Widely expressed. Expressed in placenta, prostate and liver. Weakly or not expressed in skin, leukocytes, platelets, colon, spleen, lung, muscle and kidney.

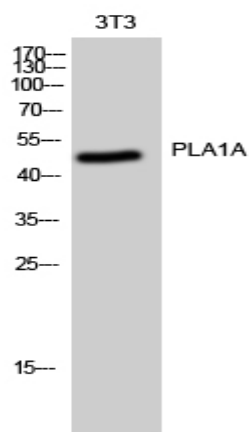
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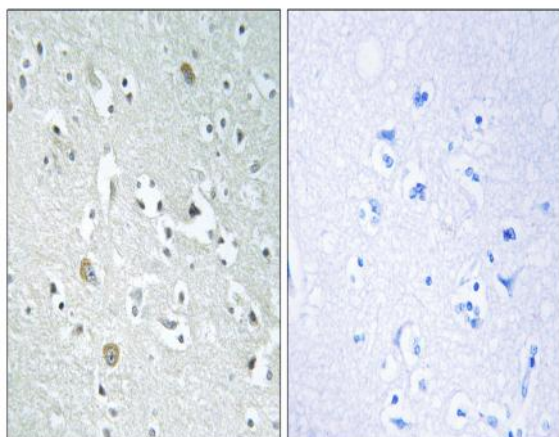
Host : Rabbit

Modifications : Unmodified

Products Images



Western Blot analysis of 3T3 cells using PLA1A Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using PLA1A Antibody. The picture on the right is blocked with the synthesized peptide.