

PC-PLD2 (phospho Tyr169) Polyclonal Antibody

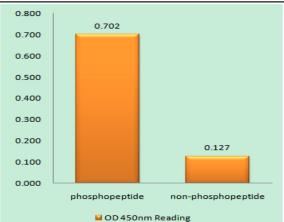
Catalog No :	YP0829
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	PC-PLD2
Fields :	>>Glycerophospholipid metabolism;>>Ether lipid metabolism;>>Metabolic pathways;>>Ras signaling pathway;>>cAMP signaling pathway;>>Sphingolipid signaling pathway;>>Phospholipase D signaling pathway;>>Endocytosis;>>Fc gamma R-mediated phagocytosis;>>Glutamatergic synapse;>>GnRH signaling pathway;>>Parathyroid hormone synthesis, secretion and action;>>Pathways in cancer;>>Chemical carcinogenesis - reactive oxygen species;>>Pancreatic cancer;>>Choline metabolism in cancer
Gene Name :	PLD2
Protein Name :	Phospholipase D2
Human Gene Id :	5338
Human Swiss Prot No :	O14939
Mouse Gene Id :	18806
Mouse Swiss Prot	P97813
No : Rat Gene Id :	25097
Rat Swiss Prot No :	P70498
Immunogen :	The antiserum was produced against synthesized peptide derived from human PLD2 around the phosphorylation site of Tyr169. AA range:136-185
Specificity :	Phospho-PC-PLD2 (Y169) Polyclonal Antibody detects endogenous levels of PC-PLD2 protein only when phosphorylated at Y169.
	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.



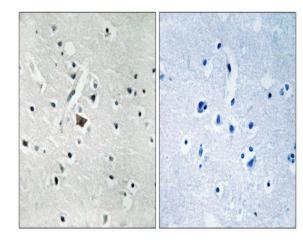
Best Tools for immunology Research	
Sourcedation :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000 IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-
	chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	95kD
Cell Pathway :	Glycerophospholipid metabolism;Ether lipid metabolism;Endocytosis;Fc gamma
	R-mediated phagocytosis;GnRH;
Background :	The protein encoded by this gene catalyzes the hydrolysis of
	phosphatidylcholine to phosphatidic acid and choline. The activity of the encoded
	enzyme is enhanced by phosphatidylinositol 4,5-bisphosphate and ADP-
	ribosylation factor-1. This protein localizes to the peripheral membrane and may be involved in cytoskeletal organization, cell cycle control, transcriptional
	regulation, and/or regulated secretion. Two transcript variants encoding different
	isoforms have been found for this gene.[provided by RefSeq, Jul 2011],
Function :	catalytic activity: A phosphatidylcholine + $H(2)O =$ choline + a
	phosphatidate.,enzyme regulation:Stimulated by phosphatidylinositol
	4,5-bisphosphate and activated by the ADP-ribosylation factor-1
	(ARF-1)., function: May have a role in signal-induced cytoskeletal regulation and/or
	endocytosis.,online information:Phospholipase D entry,similarity:Belongs to the phospholipase D family.,similarity:Contains 1 PH domain.,similarity:Contains 1 PX
	(phox homology) domain.,similarity:Contains 2 PLD phosphodiesterase
	domains.,subunit:Interacts with EGFR (By similarity). Interacts with
	PIP5K1A.,tissue specificity:Ubiquitous.,
Subcellular	Cell membrane ; Lipid-anchor .
Location :	
Expression :	Ubiquitous.

Products Images

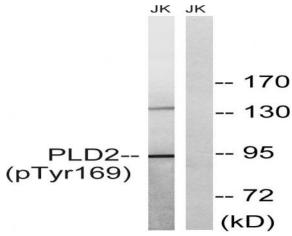




Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using PLD2 (Phospho-Tyr169) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using PLD2 (Phospho-Tyr169) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from Jurkat cells treated with TNF 20ng/ml 30', using PLD2 (Phospho-Tyr169) Antibody. The lane on the right is blocked with the phospho peptide.