

PLD1

Rabbit Anti-Human PLD1/PC PL-D1 IN pAb

Catalog No.	CSI14075	Quantity:	200 µl
Alternate Names:	choline phosphatase 1, phospholipase D1, phosphatidylcholine-specific		
Description:	PC SPECIFIC PL D1 HU PAb, INTERNAL; Unconjugated Polyclonal antibody specific to Human PC-Specific PL-D1, internal. This antibody is validated for use in Western Blot. Anti-PC-Specific PL-D1, internal recognizes the expressed product of the PLD1 gene.		
Gene ID:	5337		
Specificity:	Activation of PL-D results in the generation of second messengers, phosphatidic acid and diglycerides, and appears to be involved in secretion, vesicle trafficking, mitosis and meiosis. In leukocytes, PL-D regulates cytoskeletal-dependent antimicrobial responses such as phagocytosis and oxidant generation. PL-D1 is regulated by GTP-binding proteins, (ARF and Rho families) and by protein kinase C.		
Immunogen:	The antibody was produced using a synthetic peptide from the internal region of the human PC-specific PL-D1 protein.		
Purification:	Purified from rabbit serum by peptide affinity chromatography.		
Formulation:	Rabbit polyclonal antibodies in Dulbecco's phosphate buffered saline, pH 7.2, with 1 mg/mL BSA.		
Preservative:	0.05% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Recommended Positive Control:	Recombinant Protein, U937 cells.		
Applications:	This antibody has been used in Western blot applications.		
Application Notes:	For Western blot applications, we recommend using the antibody at a dilution of 1:100 to 1:2000 against purified recombinant protein. Due to the low expression levels of this protein, it is suggested that the protein be immunoprecipitated before Western blotting. The optimal antibody concentration should be determined for each specific application.		
Storage & Stability:	Store at -80°C. Upon initial thawing, apportion into working aliquots and store at -80°C. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody. Expires one year from date of receipt when stored as instructed.		

Src Protein Schematic.

Src Protein Schematic—Src (also known as pp60src) is a 60 kDa non-receptor tyrosine kinase that was identified as a cellular substrate (c-Src) of the Rous sarcoma virus

Western Blot:

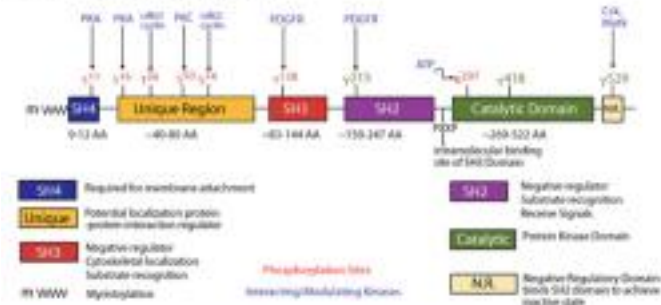
Using SDS-PAGE, proteins were resolved from (a) recombinant PLD2 protein, (b) recombinant PLD1 protein, and (c) the detergent-



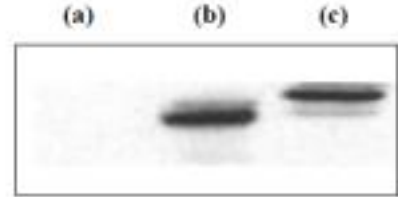
(RSV). The Src family kinases play an important role in ligand-induced cellular responses including proliferation, survival, adhesion and migration. Src has also been implicated in a variety of human diseases including

insoluble fraction of U937 cells. The proteins were transferred to PVDF membrane and incubated with a 1:2000 dilution of rabbit (polyclonal) anti-PC-specific PLD1 internal antibody. The signal was detected using a

Human pp60 Src Protein



110 kD →



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