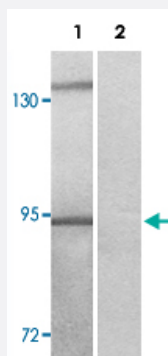


PLD2 (phospho Y169) polyclonal antibody

Catalog # PAB29251

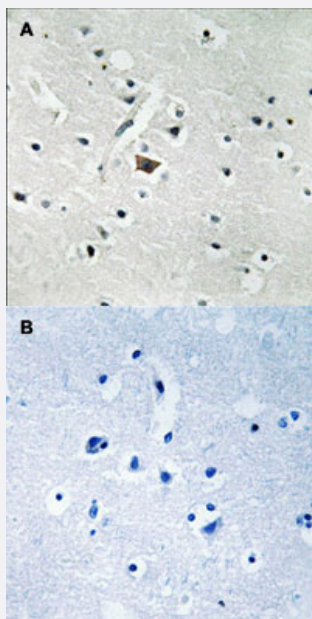
Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: TNF treated Jurkat cells, Lane 2: antigen-specific peptide treated Jurkat cells with PLD2 (phospho Y169) polyclonal antibody (Cat # PAB29251) at 1:500-1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human brain tissue by PLD2 (phospho Y169) polyclonal antibody (Cat # PAB29251) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic phosphopeptide of human PLD2.

Immunogen

Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y169 of human PLD2.

Host	Rabbit
Theoretical MW (kDa)	95
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of PLD2 only when phosphorylated at tyrosine 169.
Form	Liquid
Purification	Affinity purification
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (without Mg ²⁺ and Ca ²⁺), (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

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Gene Info — PLD2

Entrez GeneID	5338
Protein Accession#	O14939
Gene Name	PLD2
Gene Alias	-
Gene Description	phospholipase D2
Omim ID	602384

Gene Ontology

[Hyperlink](#)

Gene Summary

Phosphatidylcholine (PC)-specific phospholipases D (PLDs; EC 3.1.4.4) catalyze the hydrolysis of PC to produce phosphatidic acid and choline. Activation of PC-specific PLDs occurs as a consequence of agonist stimulation of both tyrosine kinase and G protein-coupled receptors. PC-specific PLDs have been proposed to function in regulated secretion, cytoskeletal reorganization, transcriptional regulation, and cell cycle control.[supplied by OMIM]

Other Designations

choline phosphatase 2

Pathway

- [Endocytosis](#)
- [Ether lipid metabolism](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Glycerophospholipid metabolism](#)
- [GnRH signaling pathway](#)
- [Metabolic pathways](#)

Disease

- [Breast cancer](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Mental Disorders](#)