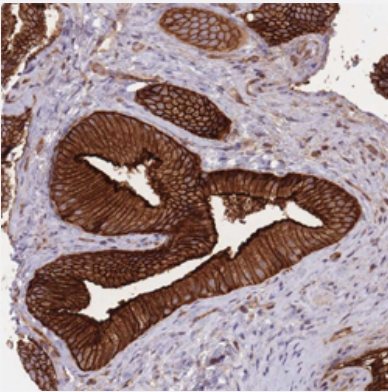


PLD1 polyclonal antibody

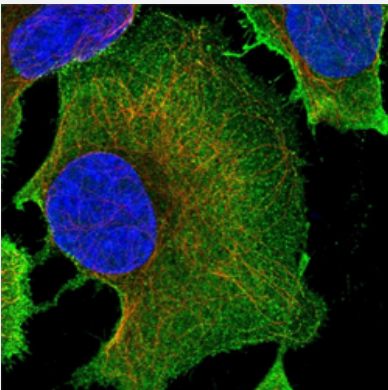
Catalog # PAB31055 Size 100 uL

Applications



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

Immunohistochemical staining of human gallbladder shows strong membranous and cytoplasmic positivity in glandular cells.



Immunofluorescence

Immunofluorescent staining of U-2 OS cell line with antibody shows positivity in plasma membrane (green).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human PLD1.
Immunogen	Recombinant protein corresponding to human PLD1.
Sequence	NEPRVNTSALQKIAADMSNIIENLDTRELHFEGEEVDYDVSPSDPKIQEVYIPFSAMNTQGFKEPNI QTYLSGCPIKAQVLEVERFTSTTRVPSINLYTIELTHGEFKWQVKRKFKHFQEFHR
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1000) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

Immunohistochemical staining of human gallbladder shows strong membranous and cytoplasmic positivity in glandular cells.

- Immunofluorescence

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Gene Info — PLD1

Entrez GeneID	5337
Protein Accession#	Q13393
Gene Name	PLD1
Gene Alias	-
Gene Description	phospholipase D1, phosphatidylcholine-specific
Omim ID	602382
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. A range of agonists acting through G protein-coupled receptors and receptor tyrosine kinases stimulate this hydrolysis. PC-specific PLD activity has been implicated in numerous cellular pathways, including signal transduction, membrane trafficking, and the regulation of mitosis (Hammond et al., 1995 [PubMed 8530346]).[supplied by OMIM]

Other Designations

choline phosphatase 1|phospholipase D1, phosphatidylcholine-specific

Pathway

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

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Tobacco Use Disorder](#)