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Phospholipase D1/PLD1 Rabbit pAb

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Catalog # AP59077

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q13393
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Zebrafish, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	124184
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Phospholipase D1
Epitope Specificity	601-700/1074
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SUBCELLULAR LOCATION	Cytoplasm > perinuclear region. Endoplasmic reticulum membrane. Golgi apparatus membrane. Late endosome membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	5337
Other Names	Phospholipase D1, PLD 1, hPLD1, 3.1.4.4, Choline phosphatase 1, Phosphatidylcholine-hydrolyzing phospholipase D1, PLD1 (HGNC:9067)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PLD1 (HGNC:9067)
Function	Function as phospholipase selective for phosphatidylcholine (PubMed:25936805, PubMed:8530346, PubMed:9582313). Implicated as a critical step in numerous cellular pathways, including signal transduction, membrane trafficking, and the regulation of mitosis. May be involved in the regulation of perinuclear intravesicular membrane traffic (By similarity).

Cellular Location	Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:Q9Z280}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9Z280}; Lipid-anchor {ECO:0000250|UniProtKB:Q9Z280}; Cytoplasmic side {ECO:0000250|UniProtKB:Q9Z280}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9Z280}; Lipid-anchor {ECO:0000250|UniProtKB:Q9Z280}; Cytoplasmic side {ECO:0000250|UniProtKB:Q9Z280}. Late endosome membrane {ECO:0000250|UniProtKB:Q9Z280}; Lipid-anchor {ECO:0000250|UniProtKB:Q9Z280}; Cytoplasmic side {ECO:0000250|UniProtKB:Q9Z280}
Tissue Location	Expressed abundantly in the pancreas and heart and at high levels in brain, placenta, spleen, uterus and small intestine

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.