

ARG59033 anti-Phospholipase D1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Phospholipase D1
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Phospholipase D1
Species	Human
Immunogen	Recombinant protein corresponding to M1-H330 of Human Phospholipase D1.
Conjugation	Un-conjugated
Alternate Names	Choline phosphatase 1; PLD 1; Phosphatidylcholine-hydrolyzing phospholipase D1; Phospholipase D1; hPLD1; EC 3.1.4.4

Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PLD1
Gene Full Name	phospholipase D1, phosphatidylcholine-specific
Background	This gene encodes a phosphatidylcholine-specific phospholipase which catalyzes the hydrolysis of phosphatidylcholine in order to yield phosphatidic acid and choline. The enzyme may play a role in signal transduction and subcellular trafficking. Alternative splicing results in multiple transcript variants with both catalytic and regulatory properties. [provided by RefSeq, Sep 2011]
Function	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). [UniProt]
Calculated Mw	124 kDa
Cellular Localization	Cytoplasm, perinuclear region. Endoplasmic reticulum membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane; Lipid-anchor; Cytoplasmic side. Late endosome membrane; Lipid- anchor; Cytoplasmic side. [UniProt]

Images



ARG59033 anti-Phospholipase D1 antibody WB image

Western blot: 50 µg of Mouse cardiac muscle, 40 µg of 22RV1 and 40 µg of HeLa lysates stained with ARG59033 anti-Phospholipase D1 antibody at 0.5 µg/ml dilution.