

Product datasheet

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ARG59033 anti-Phospholipase D1 antibody

Package: 50 μg Store at: -20°C

Summary

Host

Product Description Rabbit Polyclonal antibody recognizes Phospholipase D1

Rabbit

Tested Reactivity Hu, Ms
Tested Application WB

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% Na2HPO4, 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]

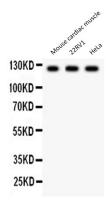
Calculated Mw 124 kDa

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 μ g of Mouse cardiac muscle, 40 μ g of 22RV1 and 40 μ g of HeLa lysates stained with ARG59033 anti-Phospholipase D1 antibody at 0.5 μ g/ml dilution.