

Datasheet for ABIN3043383  
**anti-PLD1 antibody (AA 1-330)**



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1 Image

## Overview

Quantity:	100 µg
Target:	PLD1
Binding Specificity:	AA 1-330
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLD1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Phospholipase D1(PLD1) detection. Tested with WB in Human,Mouse.
Immunogen:	E.coli-derived human PLD1 recombinant protein (Position: M1-H330). Human PLD1 shares 91.8% and 90.9% amino acid (aa) sequence identity with mouse and rat PLD1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Phospholipase D1(PLD1) detection. Tested with WB in Human,Mouse.</p> <p>Gene Name: phospholipase D1, phosphatidylcholine-specific</p> <p>Protein Name: Phospholipase D1</p>
Purification:	Immunogen affinity purified.

## Target Details

Target:	PLD1
Alternative Name:	PLD1 ( <a href="#">PLD1 Products</a> )
Background:	<p>By somatic cell hybrid analysis, PLD1 is mapped to 3q26.31. 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. And PLD1 disrupted association of gamma-secretase protein components, independent of PLD1 catalytic activity. What's more, PLD1 regulates intracellular trafficking of beta-amyloid, distinct from its effect on gamma-secretase activity.</p> <p>Synonyms: Choline phosphatase 1 antibody hPLD 1 antibody hPLD1 antibody Human ARF activated phosphatidylcholine specific phospholipase D1a antibody Phosphatidylcholine hydrolyzing phospholipase D1 antibody Phosphatidylcholine-hydrolyzing phospholipase D1 antibody  Phospholipase D1 antibody Phospholipase D1 phosphatidylcholine specific antibody  PhospholipaseD1 antibody PL D1 antibody PLD 1 antibody PLD1 antibody PLD1_HUMAN antibody</p>
Gene ID:	5337
UniProt:	<a href="#">Q13393</a>

## Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, The detection limit for PLD1 is approximately 0.1 ng/lane under reducing conditions.</p> <p>Notes: Tested Species: Species with positive results.</p> <p>Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

## Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



### Western Blotting

**Image 1.** Anti-PLD1 Picoband antibody, Western blotting All lanes: Anti PLD1 at 0.5ug/ml Lane 1: Mouse Cardiac Muscle Tissue Lysate at 50ug Lane 2: 22RV1 Whole Cell Lysate at 40ug Lane 3: HELA Whole Cell Lysate at 40ug Predicted bind size: 124KD Observed bind size: 124KD