

Datasheet for ABIN2791346  
**anti-PLD6 antibody (C-Term)**



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1 Image

## Overview

Quantity:	100 µL
Target:	PLD6
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human PLD6
Sequence:	ITEDDEYVRL FLEEFERIWE QFNPTKYTFF PPKKSHGSCA PPVSRAGGRL
Predicted Reactivity:	Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against PLD6. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	PLD6
Alternative Name:	PLD6 ( <a href="#">PLD6 Products</a> )
Background:	PLD6 is a cardiolipin hydrolase present at the mitochondrial outer membrane required both for mitochondrial fusion and piRNA metabolic process. PLD6 acts by catalyzing the hydrolysis of

## Target Details

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cardiolipin (diphosphatidylglycerol) to form phosphatidate (phosphatidic acid or PA) at the mitochondrial outer membrane surface, promoting mitochondrial fusion. The production of phosphatidate also regulates the piRNA metabolic process by promoting recruitment and/or activation of components of the meiotic nuage, also named P granule, a critical step for primary biogenesis of piRNAs. It is required during spermatogenesis to repress transposable elements and prevent their mobilization via its role in the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and govern the methylation and subsequent repression of transposons.

Alias Symbols: -

Protein Interaction Partner: ELAVL1, UBC,

Protein Size: 252

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Molecular Weight: 28 kDa

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Gene ID: 201164

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NCBI Accession: [NM\\_178836, NP\\_849158](#)

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UniProt: [Q8N2A8](#)

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Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 252 AA

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: Lot specific

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Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Handling

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -20 °C

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Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images

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### Western Blotting

**Image 1.** Host: Rabbit Target Name: PLD6 Sample Type: Fetal Heart lysates Antibody Dilution: 1.0ug/ml