

Datasheet for ABIN2791346

anti-PLD6 antibody (C-Term)

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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 (PLD6 Products)	
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	

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

Molecular Weight: 28 kDa

Gene ID: 201164

NCBI Accession: NM_178836, NP_849158

UniProt: Q8N2A8

Pathways: Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 252 AA	
Restrictions:	For Research Use only	

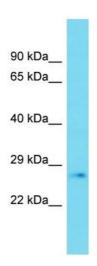
Handling

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

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
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



Western Blotting

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