

# LPAAT- $\delta$ Polyclonal Antibody

Catalog # AP70765

## Product Information

Application	WB
Primary Accession	<a href="#">Q9NRZ5</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44021

## Additional Information

Gene ID	56895
Other Names	AGPAT4; 1-acyl-sn-glycerol-3-phosphate acyltransferase delta; 1-acylglycerol-3-phosphate O-acyltransferase 4; 1-AGP acyltransferase 4; 1-AGPAT 4; Lysophosphatidic acid acyltransferase delta; LPAAT-delta
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

Name	AGPAT4
Function	Converts 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid or LPA) into 1,2-diacyl-sn-glycerol-3-phosphate (phosphatidic acid or PA) by incorporating an acyl moiety at the sn-2 position of the glycerol backbone (By similarity). Exhibits high acyl-CoA specificity for polyunsaturated fatty acyl-CoA, especially docosahexaenoyl-CoA (22:6-CoA, DHA-CoA) (By similarity).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:Q8K4X7}; Multi-pass membrane protein
Tissue Location	Widely expressed with highest levels in skeletal muscle, followed by heart, liver, prostate and thymus

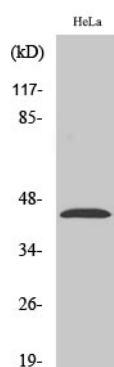
## Background

Converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an acyl moiety at the sn-2

position of the glycerol backbone.

## Images

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Western Blot analysis of various cells using LPAAT- $\delta$   
Polyclonal Antibody diluted at 1 : 500

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.