

Datasheet for ABIN7142027
anti-AGPAT3 antibody (AA 148-304)



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3 Images

Overview

Quantity:	100 µg
Target:	AGPAT3
Binding Specificity:	AA 148-304
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGPAT3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human 1-acyl-sn-glycerol-3-phosphate acyltransferase gamma protein (148-304AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	AGPAT3
Alternative Name:	AGPAT3 (AGPAT3 Products)
Background:	Background: Converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an

Target Details

acyl moiety at the sn-2 position of the glycerol backbone. Acts on LPA containing saturated or unsaturated fatty acids C16:0-C20:4 at the sn-1 position using C18:1, C20:4 or C18:2-CoA as the acyl donor. Also acts on lysophosphatidylcholine, lysophosphatidylinositol and lysophosphatidylserine using C18:1 or C20:4-CoA (PubMed:21173190). Has a preference for arachidonoyl-CoA as a donor. Has also a modest lysophosphatidylinositol acyltransferase (LPIAT) activity, converts lysophosphatidylinositol (LPI) into phosphatidylinositol (By similarity). Aliases: 1-acyl-sn-glycerol-3-phosphate acyltransferase gamma antibody, 1-acylglycerol-3-phosphate O-acyltransferase 3 antibody, 1-AGP acyltransferase 3 antibody, 1-AGPAT 3 antibody, acyltransferase gamma antibody, AGPAT3 antibody, LPAAT-gamma antibody, Lysophosphatidic acid acyltransferase gamma antibody, PLCC_HUMAN antibody, UNQ759/PRO1490 antibody

UniProt: [Q9NRZ7](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

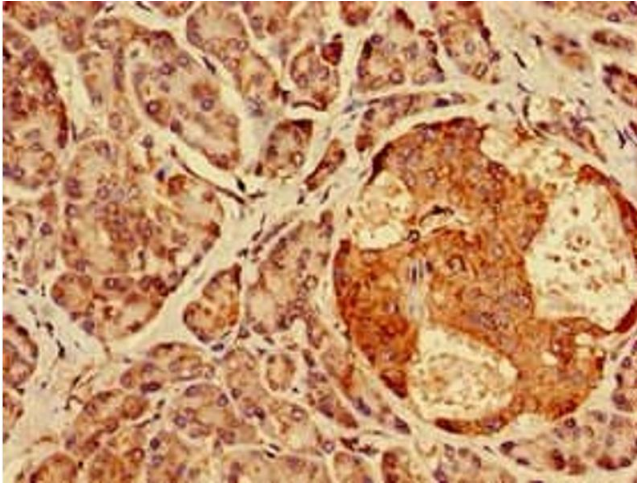
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

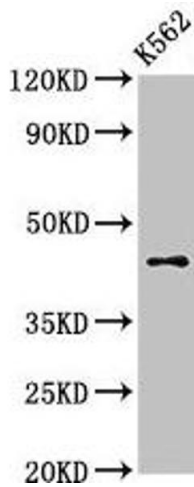
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



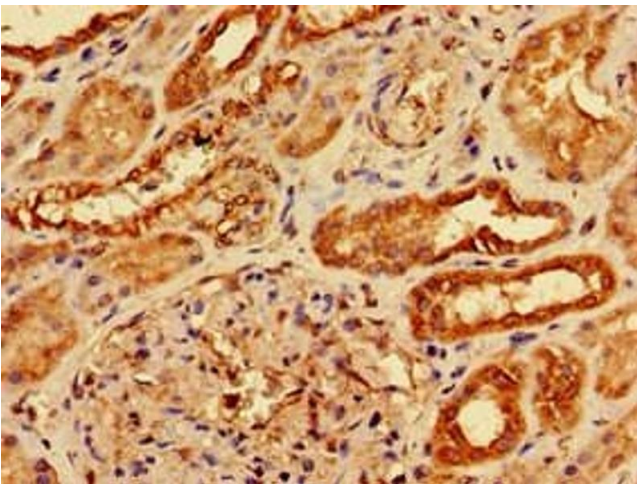
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human pancreatic tissue using ABIN7142027 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: K562 whole cell lysate All lanes: AGPAT3 antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 44, 37, 46 kDa Observed band size: 44 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7142027 at dilution of 1:100