

Datasheet for ABIN1714843  
**anti-AGPAT5 antibody (AA 188-285)**[Go to Product page](#)

## 1 Publication

## Overview

Quantity:	100 µL
Target:	AGPAT5
Binding Specificity:	AA 188-285
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGPAT5 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human LPAAT-epsilon/AGPAT5
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Sheep,Pig,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	AGPAT5
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## Target Details

Alternative Name:	LPAAT-epsilon/AGPAT5 ( <a href="#">AGPAT5 Products</a> )
Background:	<p>Synonyms: 1 acyl sn glycerol 3 phosphate acyltransferase epsilon, 1 acylglycerol 3 phosphate O acyltransferase 5, 1 AGP acyltransferase 5, 1 AGPAT 5, 1 AGPAT5, 1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon, 1-acylglycerol-3-phosphate O-acyltransferase 5, lysophosphatidic acid acyltransferase, epsilon, 1-acylglycerol-3-phosphate O-acyltransferase 5, 1-AGP acyltransferase 5, 1-AGPAT 5, 1acylglycerol3phosphate Oacyltransferase 5, lysophosphatidic acid acyltransferase, epsilon, 1acylglycerol3phosphate Oacyltransferase 5, 1acylglycerol3phosphate Oacyltransferase5 lysophosphatidic acid acyltransferase, epsilon, 1AGP acyltransferase 5, 1AGPAT5, AGPAT5, LPAAT e, LPAAT epsilon, LPAAT-epsilon, LPAATE, Lysophosphatidic acid acyltransferase epsilon, PLCE_HUMAN.</p> <p>Background: Phosphatidic acid and lysophosphatidic acid are phospholipids involved in lipid biosynthesis and signal transduction. LPAAT-epsilon (lysophosphatidic acid acyltransferase epsilon, also designated 1-AGP acyltransferase 5 (AGPAT5)) catalyzes the synthesis of phosphatidic acid from lysophosphatidic acid. LPAAT-epsilon is a membrane-bound protein belonging to the LPAAT family. Members of the LPAAT family have a well-known role in lipid biosynthesis and they may also play a role in tumor progression. LPAAT-epsilon is expressed in a tissue-specific manner in prostate and testis. LPAAT-epsilon is most closely related to AGPAT8, which is highly expressed in heart.</p>
Gene ID:	55326

## Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL

## Handling

Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

Product cited in:	Angenendt, Reuter, Kentrup, Benk, Neumann, Hüve, Martens, Schwöppe, Kessler, Schmidt, Sauer, Brand, Mikesch, Lenz, Mesters, Müller-Tidow, Hartmann, Wardelmann, Neri, Berdel, Roesli, Schliemann: "An atlas of bloodstream-accessible bone marrow proteins for site-directed therapy of acute myeloid leukemia." in: <b>Leukemia</b> , Vol. 32, Issue 2, pp. 510-519, (2017) ( <a href="#">PubMed</a> ).
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