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Datasheet for ABIN1703153  
**anti-AGPAT5 antibody (AA 188-285) (Cy3)**

### Overview

Quantity:	100 µL
Target:	AGPAT5
Binding Specificity:	AA 188-285
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGPAT5 antibody is conjugated to Cy3
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### 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
Alternative Name:	LPAAT-epsilon/AGPAT5 ( <a href="#">AGPAT5 Products</a> )

## Target Details

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**Background:** 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.

**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.

**Gene ID:** 55326

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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.

## Handling

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months