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Datasheet for ABIN675402  
**anti-AGPAT6 antibody (AA 351-456) (Cy5)**

### Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | AGPAT6                                                                                                  |
| Binding Specificity: | AA 351-456                                                                                              |
| Reactivity:          | Human                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This AGPAT6 antibody is conjugated to Cy5                                                               |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human TSARG7 |
| Isotype:              | IgG                                                        |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Pig,Chicken                        |
| Purification:         | Purified by Protein A.                                     |

### Target Details

|                   |                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------|
| Target:           | AGPAT6                                                                                      |
| Alternative Name: | Tsarg7 ( <a href="#">AGPAT6 Products</a> )                                                  |
| Background:       | Synonyms: Testis spermatogenesis apoptosis-related protein 7, 1-acylglycerol-3-phosphate O- |

## Target Details

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acyltransferase 6, lysophosphatidic acid acyltransferase zeta, AU041707, AW545732, putative lysophosphatidic acid acyltransferase, testis spermatogenesis apoptosis-related protein 7, 1 acyl sn glycerol 3 phosphate acyltransferase zeta, 1 AGP acyltransferase 6, Glycerol-3-phosphate acyltransferase 4, Acyl-CoA:glycerol-3-phosphate acyltransferase 4, 1 AGPAT 6, LPAAT zeta.

Background: AGPAT6 is a novel glycerolipid acyltransferase of the ER, which is crucial for the production of milk fat by the mammary gland. It converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an acyl moiety at the sn-2 position of the glycerol backbone.

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Gene ID: 137964

Pathways: [Hormone Transport, Regulation of Cell Size](#)

## 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

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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

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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