SunLong Biotech Co.,LTD
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**[ Marker Primary Antibody ]**

# Rabbit Anti-GPAT4/FITC Conjugated antibody

**Catalog Number: SL1924R-FITC**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | Anti-GPAT4/FITC |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human TSARG7 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **Applications:** | IF=1:100-500<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | (predicted:Human,Mouse,Rat,Chicken,Dog,Pig,Cow) |
| **Subcellular Location:** | The cell membrane |
| **Background:** | 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.<br>**Function:** Esterifies acyl-group from acyl-ACP to the sn-1 position of glycerol-3-phosphate, an essential step in glycerolipid biosynthesis. Active against both saturated and unsaturated long-chain fatty acyl-CoAs.<br>**Subcellular Location:** Endoplasmic reticulum membrane; Multi-pass membrane protein.<br>**Tissue Specificity:** Ubiquitous. Relatively high level of expression in skeletal muscle, heart and testis. Relatively low level of expression in lung.<br>**Similarity:** Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family.<br>**Database links:** |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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| | **Entrez Gene:** 137964 Human<br>**Entrez Gene:** 102247 Mouse<br>**Entrez Gene:** 290843 Rat<br>**SwissProt:** A3FPG8 Cow<br>**SwissProt:** Q86UL3 Human<br>**SwissProt:** Q8K2C8 Mouse<br>**SwissProt:** Q0ZFS7 Rat<br>**Unigene:** 355753 Human<br>**Unigene:** 200898 Mouse<br>Important<br>**Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |