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

# Rabbit Anti-SOAT2/HRP Conjugated antibody

**Catalog Number: SL5020R-HRP**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | Anti-SOAT2/HRP |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human ACAT2 (355-400aa) |
| **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:** | WB=1:500-2000<br>IHC-P=1:100-500<br>IHC-F=1:100-500<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Human,Mouse,Rat(predicted:Dog,Pig,Cow,Horse,Rabbit) |
| **Background:** | background: Acetyl-Coenzyme A acetyltransferase 2 is an enzyme involved in lipid metabolism. Reported patients with ACAT2 deficiency have shown severe mental retardation and hypotonus. The ACAT2 gene shows complementary overlapping with the 3-prime region of the TCP1 gene in both mouse and human. These genes are encoded on opposite strands of DNA, as well as in opposite transcriptional orientation.<br>**Function:** Plays a role in lipoprotein assembly and dietary cholesterol absorption. In addition to its acyltransferase activity, it may act as a ligase. May provide cholesteryl esters for lipoprotein secretion from hepatocytes and intestinal mucosa.<br>**Subunit:** May form homo- or heterodimers (By similarity).<br>**Subcellular Location:** Endoplasmic reticulum membrane; Multi-pass membrane protein. |

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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| | **Similarity:** Belongs to the membrane-bound acyltransferase family. Sterol o-acyltransferase subfamily.<br>**Database links:**<br>**Entrez Gene:** 8435 Human<br>Omim: 601311 Human<br>**SwissProt:** O75908 Human<br>**Unigene:** 20580 Human<br>Important<br>**Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |