

Product datasheet for **TA356528**

SOAT 1 (SOAT1) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human SOAT1 |
| Specificity: | Expected reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat Homology: Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 86%; Pig: 100%; Rabbit: 100%; Rat: 86% |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i> |
| Concentration: | lot specific |
| Purification: | Affinity Purified |
| Conjugation: | Unconjugated |
| Storage: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 65kDa |
| Gene Name: | sterol O-acyltransferase 1 |
| Database Link: | NP_003092 Entrez Gene 6646 Human P35610 |
| Background: | Acyl-coenzyme A:cholesterol acyltransferase (ACACT; EC 2.3.1.26) is an intracellular protein located in the endoplasmic reticulum that forms cholesterol esters from cholesterol. Accumulation of cholesterol esters as cytoplasmic lipid droplets within macrophages and smooth muscle cells is a characteristic feature of the early stages of atherosclerotic plaques (Cadigan et al., 1988 [PubMed 3335499]). |



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Synonyms: ACACT; ACACT1; ACAT; ACAT-1; ACAT1; RP11-215I23.2; SOAT; STAT

Protein Families: Transmembrane

Protein Pathways: Steroid biosynthesis

Product images:



WB Suggested Anti-SOAT1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:12500
Positive Control: Hela cell lysate