

Anti-SOAT1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A05096-1-Fluoro488

About SOAT1

Sterol O-acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1, also known as SOAT1, is an enzyme that in humans is encoded by the SOAT1 gene. The protein encoded by this gene belongs to the acyltransferase family. It is located in the endoplasmic reticulum, and catalyzes the formation of fatty acid-cholesterol esters. This gene has been implicated in the formation of beta-amyloid and atherosclerotic plaques by controlling the equilibrium between free cholesterol and cytoplasmic cholesteryl esters. Alternatively spliced transcript variants have been found for this gene.

Overview

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| Product Name | Anti-SOAT1 Antibody Picoband® Fluoro488 Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P35610 |

Technical Details

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| Immunogen | E.coli-derived human SOAT1 recombinant protein (Position: R41-Y548). Human SOAT1 shares 88.2% and 87.4% amino acid (aa) sequence identity with mouse and rat SOAT1, respectively. |
| Cross Reactivity | No cross reactivity with other proteins. |
| Isotype | IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

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Anti-SOAT1 Antibody - Fluoro488

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