

SOAT2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58259**Specification**

SOAT2 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	O75908
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59896

SOAT2 Polyclonal Antibody - Additional Information**Gene ID** 8435**Other Names**

Sterol O-acyltransferase 2, 2.3.1.26, Acyl-coenzyme A:cholesterol acyltransferase 2, ACAT-2, Cholesterol acyltransferase 2, SOAT2 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=11178 target="_blank">HGNC:11178), ACACT2, ACAT2

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

SOAT2 Polyclonal Antibody - Protein Information**Name** SOAT2 ([HGNC:11178](#))**Synonyms** ACACT2, ACAT2**Function**

Catalyzes the formation of fatty acid-cholesterol esters, which are less soluble in membranes than cholesterol (PubMed:16647063, PubMed:11294643). Plays a role in lipoprotein assembly and dietary cholesterol absorption (PubMed:11294643). Utilizes oleoyl-CoA ((9Z)- octadecenoyl-CoA) and linolenoyl-CoA ((9Z,12Z,15Z)-octadecatrienoyl- CoA) as substrates (PubMed:11294643). May provide cholesteryl esters for lipoprotein secretion from hepatocytes and intestinal mucosa (PubMed:11294643).

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:O88908}; Multi-pass membrane protein

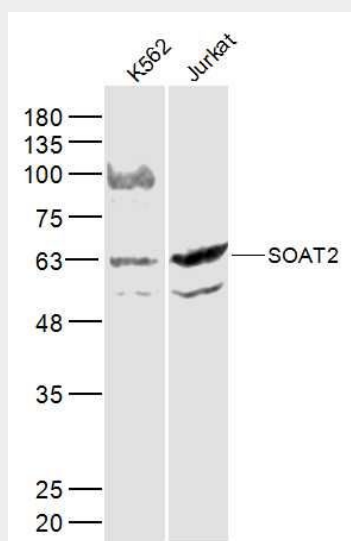
Tissue Location

Expression seems confined in hepatocytes and enterocytes.

SOAT2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SOAT2 Polyclonal Antibody - Images**Sample:**

K562(Human) Cell Lysate at 30 ug

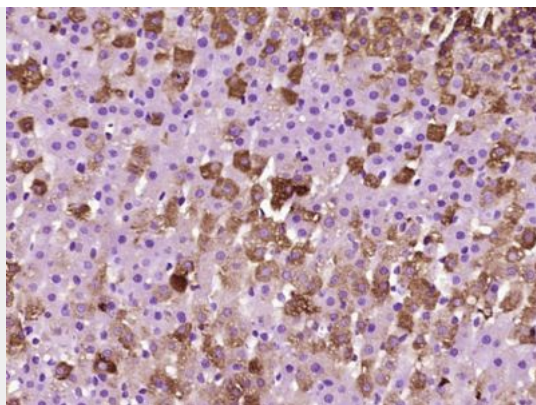
Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-SOAT2 (bs-5020R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 40 kD

Observed band size: 40 kD



Paraformaldehyde-fixed, paraffin embedded (Rat adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SOAT2) Polyclonal Antibody, Unconjugated (bs-5020R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.