

For Research Use Only

SOAT2 Polyclonal antibody

Catalog Number: 21852-1-AP **1 Publications**



Basic Information

Catalog Number: 21852-1-AP	GenBank Accession Number: BC096090	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 8435	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: O75908	
Isotype: IgG	Full Name: sterol O-acyltransferase 2	
Immunogen Catalog Number: AG16364	Calculated MW: 522 aa, 60 kDa	
	Observed MW: 46 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : HeLa cells, L02 cells
Cited Applications: IHC	IHC : human liver tissue, human small intestine tissue
Species Specificity: human	IF : HeLa cells,
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

SOAT2, also named as ACAT2, belongs to the membrane-bound acyltransferase family and Sterol o-acyltransferase subfamily. SOAT2 is expressed preferentially in enterocytes of the intestine and hepatocytes of the liver. The role of SOAT2 in generating esterified cholesterol (EC) that is incorporated directly into atherogenic lipoproteins has made it an attractive target in dyslipidemia management and prevention. (PMID: 29246491)

Notable Publications

Author	Pubmed ID	Journal	Application
Huanji Xu	33637695	Cell Death Discov	IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

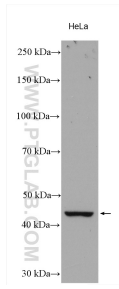
T: 4006900926

E: Proteintech-CN@ptglab.com

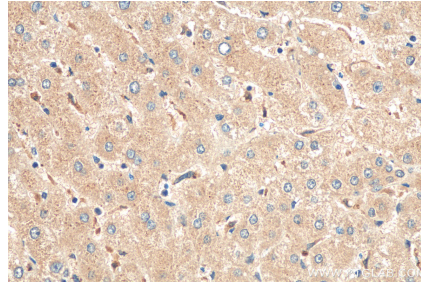
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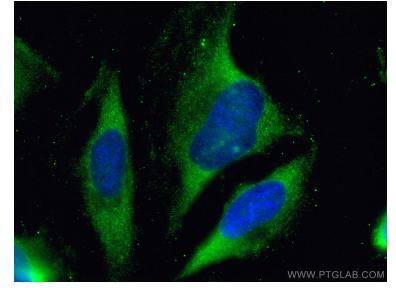
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 21852-1-AP (SOAT2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 21852-1-AP (SOAT2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using SOAT2 antibody (21852-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).