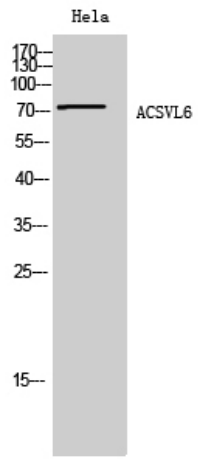
ACSVL6 Polyclonal Antibody

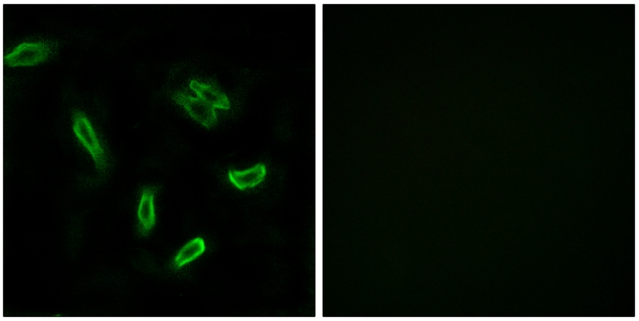
Catalog No	YP-Ab-00662
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	SLC27A5
Protein Name	Bile acyl-CoA synthetase
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC27A5. AA range:481-530
Specificity	ACSVL6 Polyclonal Antibody detects endogenous levels of ACSVL6 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SLC27A5; ACSB; ACSVL6; FACVL3; FATP5; Bile acyl-CoA synthetase; BACS; Bile acid-CoA ligase; BA-CoA ligase; BAL; Cholate--CoA ligase; Fatty acid transport protein 5; FATP-5; Fatty-acid-coenzyme A ligase; very long-chain 3; Solute carrier fam
Observed Band	75kD
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Microsome . Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Predominantly expressed in liver.
Function	catalytic activity:ATP + (25R)-3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestan-26-oate + CoA = AMP + diphosphate + (25R)-3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanoyl-CoA.,catalytic activity:ATP + cholate + CoA = AMP + diphosphate + choloyl-CoA.,function:Acyl-CoA synthetase involved in bile acid metabolism. Proposed to catalyze the first step in the conjugation of C24 bile acids (choloneates) to glycine and taurine before excretion into bile canaliculi by activating them to their CoA thioesters. Seems to activate secondary bile acids entering the liver from the enterohepatic circulation. In vitro, also activates

	3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanate (THCA), the C27 precursor of cholic acid deriving from the de novo synthesis from cholesterol.,similarity:Belongs to the ATP-dependent AMP-binding enzyme family.,tissue specificity:Predominantly expressed in l
Background	The protein encoded by this gene is an isozyme of very long-chain acyl-CoA synthetase (VLCS). It is capable of activating very long-chain fatty-acids containing 24- and 26-carbons. It is expressed in liver and associated with endoplasmic reticulum but not with peroxisomes. Its primary role is in fatty acid elongation or complex lipid synthesis rather than in degradation. This gene has a mouse ortholog. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

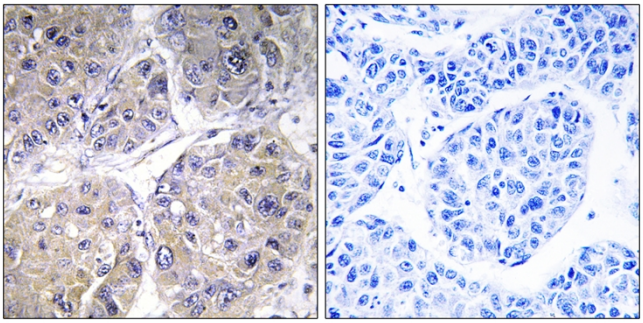
Products Images



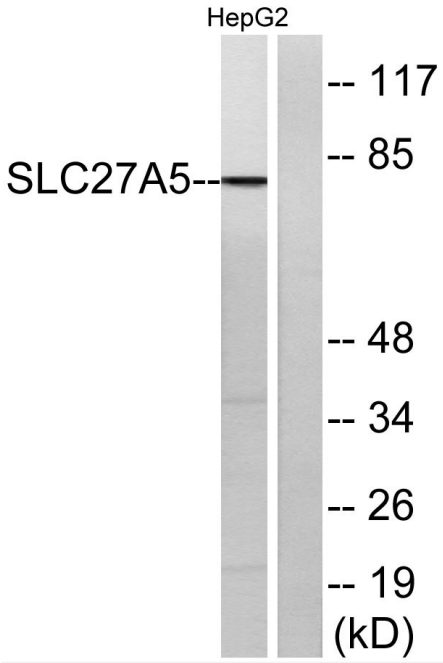
Western Blot analysis of Hela cells using ACSVL6 Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of A549 cells, using SLC27A5 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue, using SLC27A5 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using SLC27A5 Antibody. The lane on the right is blocked with the synthesized peptide.