Product Datasheet

SLC27A5 Antibody

Catalog No: #34498

Package Size: #34498-1 50ul #34498-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	SLC27A5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total SLC27A5 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human SLC27A5.
Target Name	SLC27A5
Other Names	EC 6.2.1.7; FACVL3; FATP5; MGC143799; S27A5
Accession No.	Swiss-Prot: Q9Y2P5NCBI Gene ID: 10998
Uniprot	Q9Y2P5
GeneID	10998;
SDS-PAGE MW	75kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

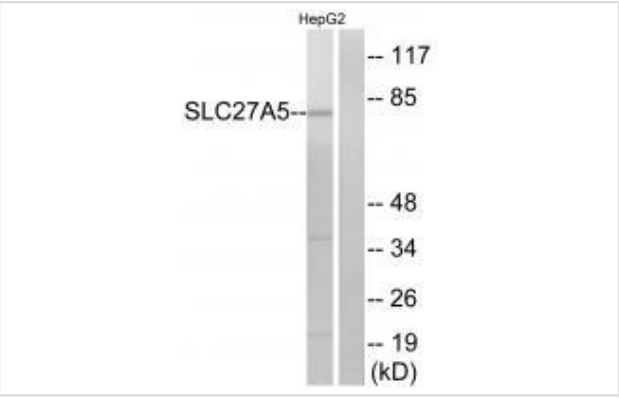
Application Details

Western blotting: 1:500~1:3000

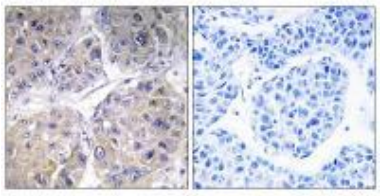
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:500

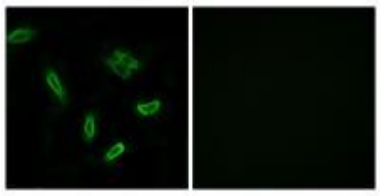
Images



Western blot analysis of extracts from HepG2 cells, using SLC27A5 antibody #34498.



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue using SLC27A5 antibody #34498.



Immunofluorescence analysis of A549 cells, using SLC27A5 antibody #34498.

Background

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.

Steinberg S.J., Mol. Genet. Metab. 68:32-42(1999).
Steinberg S.J., J. Biol. Chem. 275:15605-15608(2000).
Mihalik S.J., J. Biol. Chem. 277:24771-24779(2002).

Note: This product is for in vitro research use only