

SLC27A4 Antibody

Catalog No: #34761

Package Size: #34761-1 50ul #34761-2 100ul

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

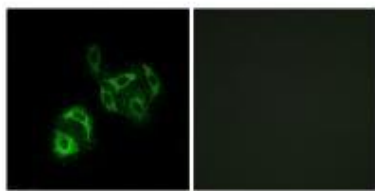
Description

Product Name	SLC27A4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	IF
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total SLC27A4 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human SLC27A4.
Target Name	SLC27A4
Other Names	Long-chain fatty acid transport protein 4; EC 6.2.1.-; Fatty acid transport protein 4; FATP-4; Solute carrier family 27 member 4
Accession No.	Swiss-Prot: Q6P1M0NCBI Gene ID: 10999
Uniprot	Q6P1M0
GeneID	10999;
SDS-PAGE MW	72kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Immunofluorescence: 1:100~1:500

Images



Immunofluorescence analysis of A549 cells, using SLC27A4 antibody #34761.

Background

Involved in translocation of long-chain fatty acids (LFCA) across the plasma membrane. Appears to be the principal fatty acid transporter in small intestinal enterocytes. Plays a role in the formation of the epidermal barrier. Required for fat absorption in early embryogenesis. Has acyl-CoA ligase activity for long-chain and very-long-chain fatty acids (VLCFAs). Indirectly inhibits RPE65 via substrate competition and via production of VLCFA derivatives like lignoceroyl-CoA. Prevents light-induced degeneration of rods and cones By similarity.

Fitscher B.A., Biochim. Biophys. Acta 1443:381-385(1998).

Humphray S.J., Nature 429:369-374(2004).

Colinge J., Submitted (OCT-2008) to UniProtKB.

Note: This product is for in vitro research use only