

## ARG42874 anti-SLC27A4 / FATP4 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SLC27A4 / FATP4
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SLC27A4 / FATP4
Species	Human
Immunogen	Recombinant protein of Human SLC27A4 / FATP4.
Conjugation	Un-conjugated
Alternate Names	ACSVL4; EC 6.2.1.-; FATP-4; Fatty acid transport protein 4; IPS; FATP4; Solute carrier family 27 member 4; Long-chain fatty acid transport protein 4

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:20
	IHC-P	1:20
	IP	1:20
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	K562	
Observed Size	~ 70 kDa	

### Properties

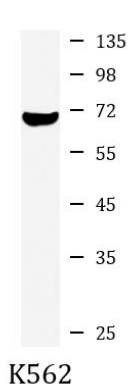
Form	Liquid
Purification	Affinity purified.
Buffer	50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Concentration	Batch dependent

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	SLC27A4
Gene Full Name	solute carrier family 27 (fatty acid transporter), member 4
Background	This gene encodes a member of a family of fatty acid transport proteins, which are involved in translocation of long-chain fatty acids cross the plasma membrane. This protein is expressed at high levels on the apical side of mature enterocytes in the small intestine, and appears to be the principal fatty acid transporter in enterocytes. Clinical studies suggest this gene as a candidate gene for the insulin resistance syndrome. Mutations in this gene have been associated with ichthyosis prematurity syndrome. [provided by RefSeq, Apr 2010]
Function	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). [UniProt]
Calculated Mw	72 kDa
Cellular Localization	Membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane. [UniProt]

## Images



ARG42874 anti-SLC27A4 / FATP4 antibody WB image

Western blot: K562 cell lysate stained with ARG42874 anti-SLC27A4 / FATP4 antibody at 1:1000 dilution.