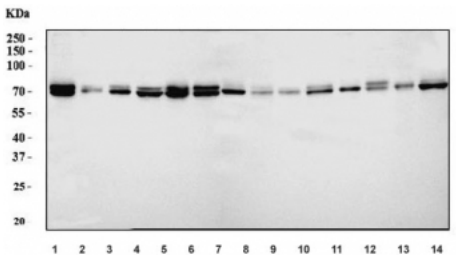
FACL4 Antibody / ACSL4 (RQ6920)

Catalog No.	Formulation	Size
RQ6920	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O60488
Applications	Western Blot : 0.5-1 ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This FACL4 antibody is available for research use only.



Western blot testing of 1) human U-2 OS, 2) human PC-3, 3) human HeLa, 4) human Caco-2, 5) human HEL, 6) human U-87 MG, 7) rat brain, 8) rat lung, 9) rat stomach, 10) rat PC-12, 11) mouse brain, 12) mouse lung, 13) mouse stomach and 14) mouse NIH 3T3 cell lysate with FACL4 antibody. Predicted molecular weight: ~80 kDa (long form), ~74 kDa (short form).

Description

Long-chain-fatty-acid--CoA ligase 4 is an enzyme that in humans is encoded by the ACSL4 gene. It is mapped to Xq23. The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme preferentially utilizes arachidonate as substrate. The absence of this enzyme may contribute to the cognitive disability or Alport syndrome. Alternative splicing of this gene generates multiple transcript variants.

Application Notes

Optimal dilution of the FACL4 antibody should be determined by the researcher.

Immunogen

Recombinant human FACL4/ACSL4 protein (amino acids A36-E237) was used as the immunogen for the FACL4 antibody.

Storage

After reconstitution, the FACL4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.