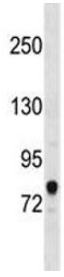
ACSL3 Antibody / FACL3 (F44941)

Catalog No.	Formulation	Size
F44941-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44941-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O95573
Localization	Cytoplasmic
Applications	Western blot: 1:1000
Limitations	This ACSL3 antibody is available for research use only.



ACSL3 antibody western blot analysis in human 293 lysate. Predicted molecular weight ~80 kDa.

Description

Acyl CoA synthetase long chain family member 3 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 is highly expressed in brain, and preferentially utilizes myristate, arachidonate, and

eicosapentaenoate as substrates. The amino acid sequence of this isozyme is 92% identical to that of rat homolog. Two transcript variants encoding the same protein have been found for this gene.

Application Notes

Titration of the ACSL3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 528-556 from the human protein was used as the immunogen for this ACSL3 antibody.

Storage

Aliquot the ACSL3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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