

ACSL5

Reactivity: Human Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 76kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human ACSL5

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

ACS2; ACS5; FACL5;

Catalog #: A7509

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 51703

Isotype: IgG

Swiss Prot: Q9ULC5

Purity: Affinity purification

For research use only.

Background:

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 is highly expressed in uterus and spleen, and in trace amounts in normal brain, but has markedly increased levels in malignant gliomas. This gene functions in mediating fatty acid-induced glioma cell growth. Three transcript variants encoding two different isoforms have been found for this gene.

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