

Product datasheet for **TA332397**

ACSL5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human ACSL5
Formulation:	Store at -20°C (regular) and -80°C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	683
Gene Name:	acyl-CoA synthetase long-chain family member 5
Database Link:	NP_976313 Entrez Gene 94340 RatEntrez Gene 433256 MouseEntrez Gene 51703 Human Q9ULC5

Background: Acyl-CoA synthetase 5, a member of the ACSL gene family that catalyzes the activation of long-chain fatty acids for lipid biosynthesis, is the only ACSL isoform that is both, located on mitochondria and functionally involved in enterocyte apoptosis. ACSL5 could play a role in promoting fatty acid-induced lipoapoptosis in hepatocytes as important mechanism in fatty liver-related disorders (PMID:20470896). ACSL5 is most abundant in liver, brown adipose tissue, and intestine and is located on both the mitochondrial membrane and endoplasmic reticulum (PMID:20798351). It has 3 isoforms produced by alternative splicing. This antibody is specific to ACSL5.



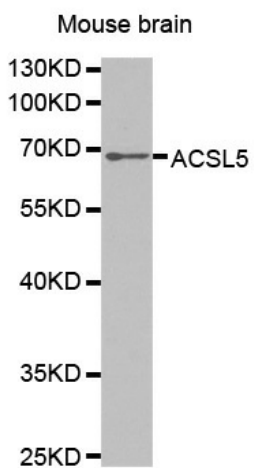
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Synonyms: ACS2; ACS5; FAFL5

Protein Families: Transmembrane

Protein Pathways: Adipocytokine signaling pathway, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway

Product images:



Western blot analysis of extracts of mouse brain tissue lines, using ACSL5 antibody.