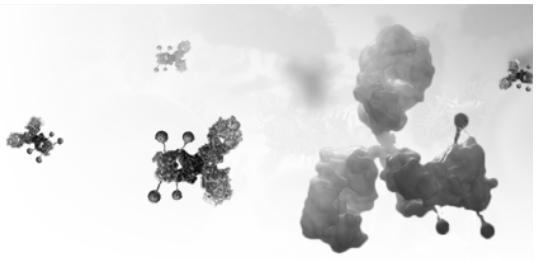

Human ACSL5 blocking peptide (CDBP0303)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ACSL5 antibody
Antigen Description	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.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ACSL5 acyl-CoA synthetase long-chain family member 5 [Homo sapiens]
Official Symbol	ACSL5

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Synonyms	ACSL5; acyl-CoA synthetase long-chain family member 5; FACL5, fatty acid Coenzyme A ligase, long chain 5; long-chain-fatty-acid--CoA ligase 5; ACS2; ACS5; FACL5 for fatty acid coenzyme A ligase 5; fatty acid Coenzyme A ligase; long chain 5; long chain acyl CoA synthetase 5; long chain fatty acid coenzyme A ligase 5; LACS 5; fatty acid coenzyme A ligase 5; long-chain acyl-CoA synthetase 5; long-chain fatty acid coenzyme A ligase 5; fatty-acid-Coenzyme A ligase, long-chain 5; FACL5;
Entrez Gene ID	51703
mRNA Refseq	NM_016234
Protein Refseq	NP_057318
UniProt ID	Q9ULC5
Chromosome Location	10q25.1-q25.2
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty Acid Biosynthesis, organism-specific biosystem; Fatty Acyl-CoA Biosynthesis, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem;
Function	ATP binding; ligase activity; long-chain fatty acid-CoA ligase activity; nucleotide binding;

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