

Rabbit ACSL5 Polyclonal Antibody | anti-ACSL5 antibody

ACSL5 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199783	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

ACSL5; Polyclonal Antibody; ACSL5 antibody - C-terminal region; anti-ACSL5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide located within the following region: AC NYVKLEDVAD MNYFTVNNEG EVCIKGTNVF KGYLKDPEKT QEALDSDG
Sequence Length	683
Applicable Applications for anti-ACSL5 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 92%; Dog: 93%; Guinea Pig: 86%; Horse: 86%; Human: 100%; Mouse: 100%; Rabbit: 86%; Rat: 100%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human ACSL5
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-ACSL5 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: Human Placenta



IHC (Immunohistochemistry)

Skeletal muscle

ADDITIONAL INFORMATION

Related Product Information for anti-ACSL5 antibody	This is a rabbit polyclonal antibody against ACSL5. It was validated on Western Blot using a cell lysate as a positive control. Target Description: ASCL5 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.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.
Product Categories/Family for anti-ACSL5 antibody	Polyclonal; Transcription Factor; Signal Proteins; Drugs and Drug Metabolism; Chromatin & Nuclear Signaling; Disease Related; DNA/RNA/Protein Interactions; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	42794758
NCBI GeneID	51703
NCBI Accession #	NP_976313
NCBI GenBank Nucleotide #	NM_203379
UniProt Accession #	Q9ULC5
Molecular Weight	76kDa
NCBI Official Full Name	long-chain-fatty-acid--CoA ligase 5 isoform b
NCBI Official Synonym Full Names	acyl-CoA synthetase long chain family member 5
NCBI Official Symbol	ACSL5
NCBI Official Synonym Symbols	ACS2; ACS5; FACL5
NCBI Protein Information	long-chain-fatty-acid--CoA ligase 5
UniProt Protein Name	Long-chain-fatty-acid--CoA ligase 5
UniProt Gene Name	ACSL5
UniProt Synonym Gene Names	ACS5; FACL5; LACS 5
UniProt Entry Name	ACSL5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/acsl5-antibody-western-blot-immunohistochemistry-elisa/199783>