

Rabbit ACSL3 Polyclonal Antibody | anti-ACSL3 antibody

ACSL3 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199708	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot, Immunohistochemistry

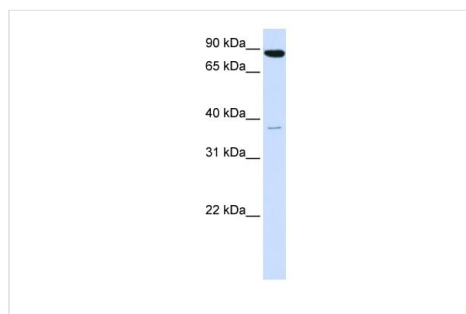
PRODUCT SYNONYMS

ACSL3; Polyclonal Antibody; ACSL3 antibody - N-terminal region; anti-ACSL3 antibody

PRODUCT SPECIFICATIONS

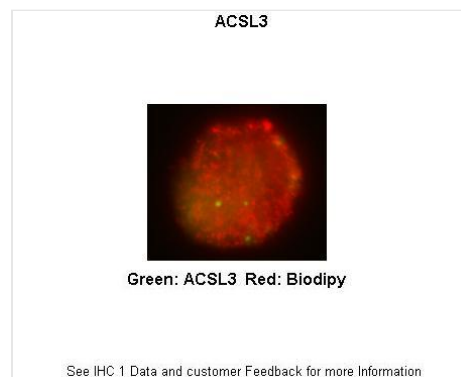
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: LD GLASVLYPGC DTLDKVFTYA KNKFKNKRL GTREVLNEED EVQPNGKI
Sequence Length	720
Applicable Applications for anti-ACSL3 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 86%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ACSL3
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



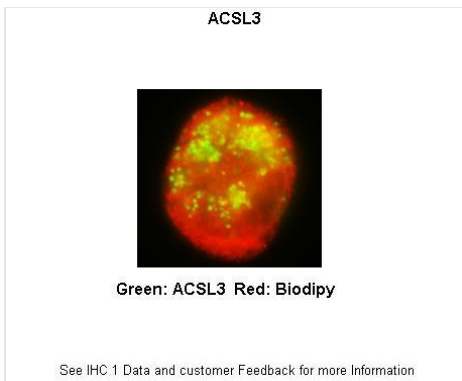
WB (Western Blot)

WB Suggested Anti-ACSL3 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: 293T cell lysate
There is BioGPS gene expression data showing that ACSL3 is expressed in HEK293T



IHC (Immunohistochemistry)

Researcher: Received from anonymous
Application: IHC
Species+tissue/cell type: THP-1 derived macrophage
Primary antibody dilution: 1:200
Secondary antibody: Goat anti-rabbit
Alexa Fluor 647
Secondary antibody dilution: 1:333



IHC (Immunohistochemistry)

Researcher: Received from anonymousApplication: IHCSpecies+tissue/cell type:THP-1
 derived macrophage activated with iMtPrimary antibody dilution: 1:200Secondary antibody:
 Goat anti-rabbit Alexa Fluor 647Secondary antibody dilution:1:333

ADDITIONAL INFORMATION

Related Product Information for anti-ACSL3 antibody	This is a rabbit polyclonal antibody against ACSL3. It was validated on Western Blot using a cell lysate as a positive control. Target Description: ACSL3 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 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 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.
Product Categories/Family for anti-ACSL3 antibody	Polyclonal ; Membrane Protein ; Drugs and Drug Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	42794752
NCBI GeneID	2181
NCBI Accession #	NP_004448
NCBI GenBank Nucleotide #	NM_004457
UniProt Accession #	O95573
Molecular Weight	80kDa
NCBI Official Full Name	long-chain-fatty-acid--CoA ligase 3
NCBI Official Synonym Full Names	acyl-CoA synthetase long chain family member 3
NCBI Official Symbol	ACSL3
NCBI Official Synonym Symbols	ACS3; FACL3; LACS3; LACS 3; PRO2194
NCBI Protein Information	long-chain-fatty-acid--CoA ligase 3
UniProt Protein Name	Long-chain-fatty-acid--CoA ligase 3
UniProt Gene Name	ACSL3
UniProt Synonym Gene Names	ACS3; FACL3; LACS3; LACS 3

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://www.aaabiotech.com/polyclonal/acsl3-antibody-western-blot-immunohistochemistry-elisa/199708>