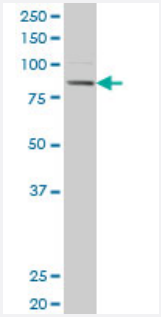
ACSL3 polyclonal antibody (A01)

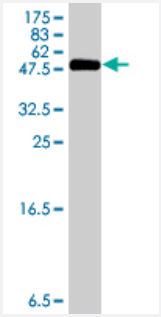
Catalog # H00002181-A01 Size 50 uL

Applications



Western Blot (Cell lysate)

ACSL3 polyclonal antibody (A01), Lot # 051220JC01 Western Blot analysis of ACSL3 expression in 293 (Cat # L026V1).



Western Blot detection against Immunogen (35.57 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ACSL3.
Immunogen	ACSL3 (NP_004448, 203 a.a. ~ 288 a.a) partial recombinant protein with GST tag.
Sequence	NETEVTNIITSKELLQTKLKDIVSLVPRLRHIITVDGKPPTWSEFPKGIIVHTMAAVEALGAKASMENQ PHSKPLPSDIAVIMYTS
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.57 KDa) .

Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  ACSL3 polyclonal antibody (A01), Lot # 051220JC01 Western Blot analysis of ACSL3 expression in 293 (Cat # L026V1).

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — ACSL3

Entrez GeneID	2181
GeneBank Accession#	NM_004457
Protein Accession#	NP_004448
Gene Name	ACSL3
Gene Alias	ACS3, FACL3, PRO2194
Gene Description	acyl-CoA synthetase long-chain family member 3
Omim ID	602371
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000164212|fatty-acid-Coenzyme A ligase, long-chain 3|lignoceroyl-CoA synthase

Publication Reference

- Increased Long Chain acyl-Coa Synthetase Activity and Fatty Acid Import Is Linked to Membrane Synthesis for Development of Picornavirus Replication Organelles.

  Nchoutmboube JA, Viktorova EG, Scott AJ, Ford LA, Pei Z, Watkins PA, Ernst RK, Belov GA.

  PLoS Pathogens 2013 Jun; 9(6):e1003401.

  Application: WB-Tr, Human, HeLa cells

Pathway

- Adipocytokine signaling pathway
- Fatty acid metabolism
- Metabolic pathways
- PPAR signaling pathway