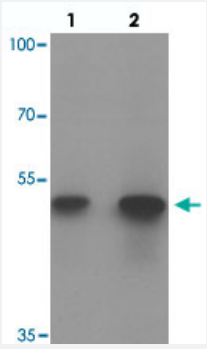
ACSL1 polyclonal antibody

Catalog # PAB25681 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of ACSL1 in human lung tissue with ACSL1 polyclonal antibody (Cat # PAB25681) at (1) 1 and (2) 2 ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ACSL1.
Immunogen	A synthetic peptide corresponding to 18 amino acids at internal region of human ACSL1.
Host	Rabbit
Theoretical MW (kDa)	77
Reactivity	Human, Mouse, Rat
Specificity	At least three isoforms of ACSL1 are known to exist; this antibody will detect all three isoforms.
Form	Liquid
Purification	Peptide affinity purification
Concentration	1 mg/mL
Isotype	IgG
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ACSL1

Entrez GeneID	2180
Protein Accession#	NP_001986
Gene Name	ACSL1
Gene Alias	ACS1, FACL1, FACL2, LACS, LACS1, LACS2
Gene Description	acyl-CoA synthetase long-chain family member 1
Omim ID	152425
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase fa mily. Although differing in substrate specificity, subcellular localization, and tissue distribution, all i sozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby pl ay a key role in lipid biosynthesis and fatty acid degradation. [provided by RefSeq
Other Designations	fatty-acid-Coenzyme A ligase, long-chain 1|fatty-acid-Coenzyme A ligase, long-chain 2|lignoceroyl -CoA synthase|long-chain acyl-CoA synthetase 1|long-chain acyl-CoA synthetase 2|long-chain fatt y-acid-coenzyme A ligase 1|palmitoyl-CoA ligase 2|paltimoyl-CoA

Pathway

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

Disease

- Genetic Predisposition to Disease
- Insulin Resistance
- Metabolic Syndrome X