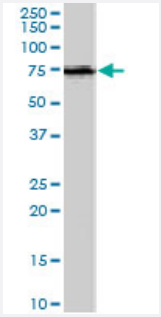
ACSL5 polyclonal antibody

Catalog # PAB7030 Size 100 ug

Applications



Western Blot (Tissue lysate)

ACSL5 polyclonal antibody (Cat # PAB7030) (1 ug/mL) staining of human spleen lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ACSL5.
Immunogen	A synthetic peptide corresponding to human ACSL5.
Sequence	C-RTQIDSLYEHIQD
Host	Goat
Theoretical MW (kDa)	82.3, 76
Reactivity	Human
Specificity	This antibody is expected to recognize isoform a (NP_057318.2) and isoform b (NP_976313.1 and NP_976314.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

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Recommend Usage	ELISA (1:16000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Tissue lysate)

  ACSL5 polyclonal antibody (Cat # PAB7030) (1 ug/mL) staining of human spleen lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Gene Info — ACSL5

Entrez GeneID	51703
Protein Accession#	NP_057318.2;NP_976313.1;NP_976314.1
Gene Name	ACSL5
Gene Alias	ACS2, ACS5, FACL5
Gene Description	acyl-CoA synthetase long-chain family member 5
Omim ID	605677
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. This isozyme is highly expressed in uterus and spleen, and in trace amounts in normal brain, but has markedly increased levels in mali gnant gliomas. This gene functions in mediating fatty acid-induced glioma cell growth. Three trans cript variants encoding two different isoforms have been found for this gene. [provided by RefSeq

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Other Designations	FACL5 for fatty acid coenzyme A ligase 5|OTTHUMP00000020489|OTTHUMP00000020490|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

Publication Reference

- Coeliac disease is associated with impaired expression of acyl-CoA-synthetase 5.

  Obermuller N, Keith M, Kopitz J, Autschbach F, Schirmacher P, Gassler N.

  International Journal of Colorectal Disease 2006 Mar; 21(2):130.

  Application: IHC-P, WB-Ti, Human, Small intestinal, Large intestinal

Pathway

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

Disease

- Alzheimer Disease
- Genetic Predisposition to Disease
- Obesity
- Tobacco Use Disorder

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