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**Product Name: SLC27A5 Mouse Monoclonal Antibody****Catalog #: AMM83035**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ELISA
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	75.4kDa

**Antigen Information**

<b>Gene Name</b>	SLC27A5
<b>Alternative Names</b>	BAL; ACSB; BACS; FATP5; ACSVL6; FACVL3; FATP-5; VLACSR; VLCSH2; VLCS-H2
<b>Gene ID</b>	10998.0
<b>SwissProt ID</b>	Q9Y2P5
<b>Immunogen</b>	Purified recombinant fragment of human SLC27A5 (AA: 508-570) expressed in E. Coli.

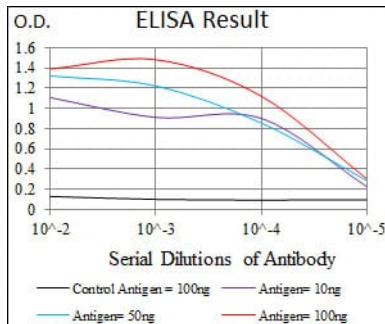
**Background**

The protein encoded by this gene is an isozyme of very long-chain acyl-CoA synthetase (VLCS). It is capable of activating very long-chain fatty-acids containing 24- and 26-carbons. It is expressed in liver and associated with endoplasmic reticulum but not with peroxisomes. Its primary role is in fatty acid elongation or complex lipid synthesis rather than in degradation. This gene

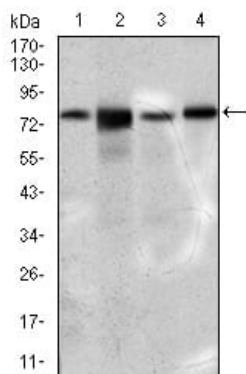
has a mouse ortholog.

## Research Area

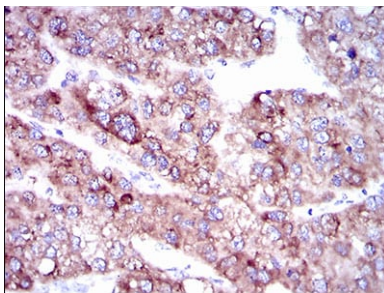
## Image Data



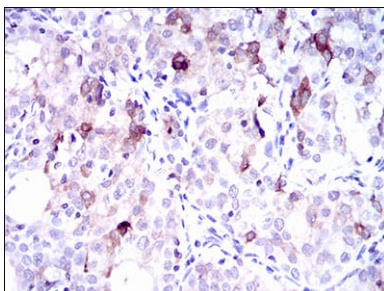
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using SLC27A5 mouse mAb against 3T3L1 (1), HepG2 (2), NIH3T3 (3), and PC-3 (4) cell lysate.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using SLC27A5 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using SLC27A5 mouse mAb with DAB staining.