

For Research Use Only

ACSL6 Polyclonal antibody

Catalog Number: 13847-1-AP



Basic Information

Catalog Number:

13847-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4817

GenBank Accession Number:

BC047453

GeneID (NCBI):

23305

UNIPROT ID:

Q9UKU0

Full Name:

acyl-CoA synthetase long-chain family member 6

Calculated MW:

78 kDa

Observed MW:

74 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : human pancreas cancer tissue, human urothelial carcinoma tissue

Background Information

ACSL6 (Acyl-CoA Synthetase Long Chain Family Member 6) is a long-chain lipoyl-coenzyme A synthetase that is mainly responsible for catalyzing the binding of long-chain fatty acids to coenzyme A to form acyl-coenzyme A (Acyl-CoA). ACSL6 is involved in fatty acid metabolic transporter and the synthesis of cell membrane phospholipids, which affects the cell structure and function. ACSL6 plays an extremely important role in the pathogenesis of cancers such as hepatocellular carcinoma, lung cancer and neuroblastoma, suggesting that it may serve as a biomarker and therapeutic target for cancer therapy.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

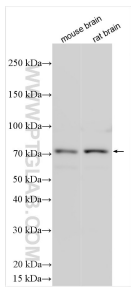
For technical support and original validation data for this product please contact:

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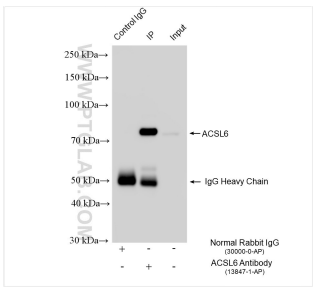
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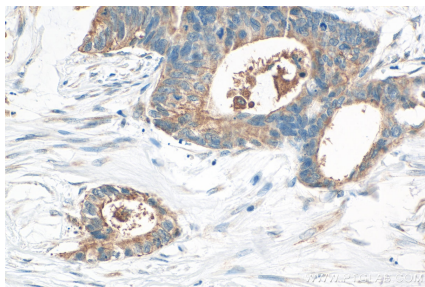
Selected Validation Data



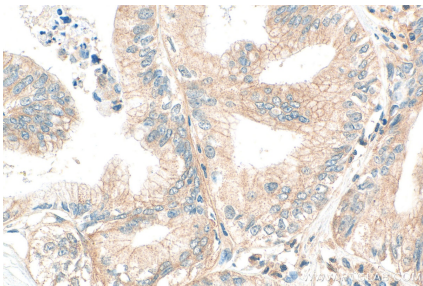
Various lysates were subjected to SDS PAGE followed by western blot with 13847-1-AP (ACSL6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-ACSL6 (IP:13847-1-AP, 4ug; Detection:13847-1-AP 1:2000) with mouse brain tissue lysate 2120 ug.



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 13847-1-AP (ACSL6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 13847-1-AP (ACSL6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).