

# ACSL6 Polyclonal antibody

Catalog Number: 13847-1-AP

## Basic Information

**Catalog Number:**

13847-1-AP

**Concentration:**

550 ug/ml

**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:**

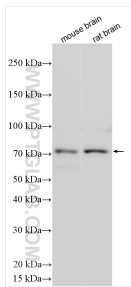
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

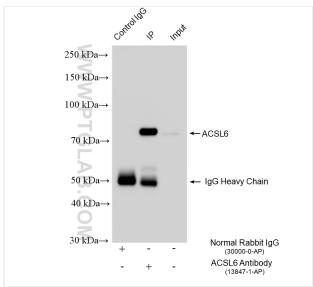
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

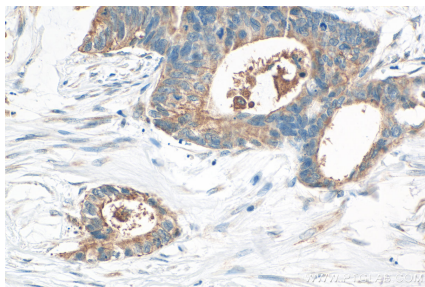
Selected Validation Data



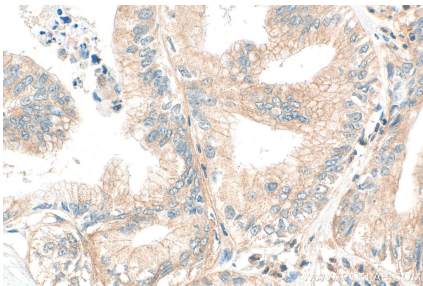
Various lysates were subjected to SDS PAGE followed by western blot with 13847-1-AP (ACSL6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).