

For Research Use Only

# ACSL3 Polyclonal antibody

Catalog Number: 30214-1-AP



## Basic Information

**Catalog Number:**

30214-1-AP

**Size:**

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

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG33005

**GenBank Accession Number:**

BC041692

**GeneID (NCBI):**

2181

**UNIPROT ID:**

O95573

**Full Name:**

acyl-CoA synthetase long-chain family member 3

**Calculated MW:**

80 kDa

**Observed MW:**

72 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:8000

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

## Applications

**Tested Applications:**

WB, IP, ELISA

**Species Specificity:**

Human, mouse

**Positive Controls:**

**WB :** DU 145 cells, HuH-7 cells, LNCaP cells, MKN-45 cells, mouse kidney tissue

**IP :** LNCaP cells,

## Background Information

ACSL3, also named as ACS3, FACL3 and LACS3, belongs to the ATP-dependent AMP-binding enzyme family. Acyl-CoA synthetases (ACSL) activate long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. ACSL3 mediates hepatic lipogenesis. Preferentially uses myristate, laurate, arachidonate and eicosapentaenoate as substrates. Has mainly an anabolic role in energy metabolism. Required for the incorporation of fatty acids into phosphatidylcholine, the major phospholipid located on the surface of VLDL (very low density lipoproteins). The antibody is specific to ACSL3.

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1%BSA

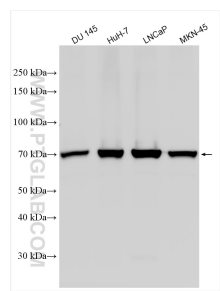
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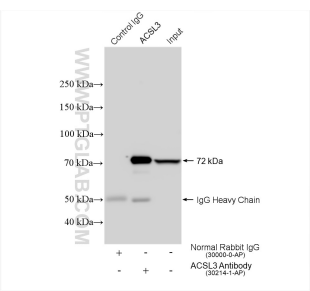
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30214-1-AP (ACSL3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-ACSL3 (IP:30214-1-AP, 4ug; Detection:30214-1-AP 1:4000) with LNCaP cells lysate 1360 ug.