

ACSL3 Polyclonal antibody

Catalog Number: 30214-1-AP

Basic Information

Catalog Number:

30214-1-AP

Size:

550 µg/ml

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 µg for 1.0-3.0 mg of total
protein lysate

Applications

Tested Applications:

IP, WB, 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:

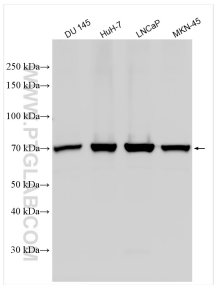
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

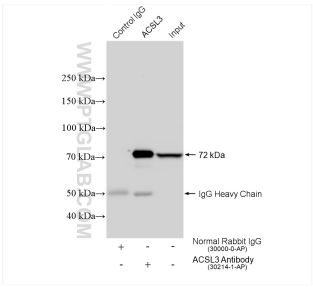
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.