

For Research Use Only

ACSL3 Polyclonal antibody, PBS Only

Catalog Number: 20710-1-PBS

Featured Product



Basic Information

Catalog Number:

20710-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004457

GeneID (NCBI):

2181

UNIPROT ID:

O95573

Full Name:

acyl-CoA synthetase long-chain family member 3

Calculated MW:

80 kDa

Observed MW:

70-80 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse

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 -80°C.

Storage Buffer:

PBS only, pH7.3

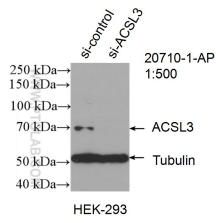
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

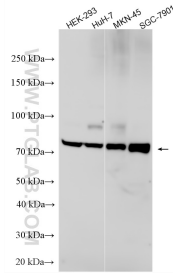
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

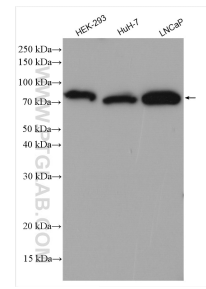
Selected Validation Data



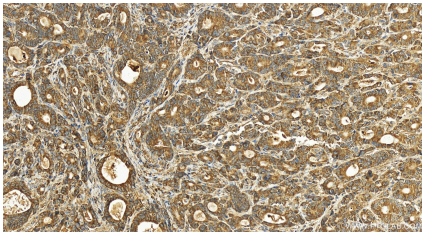
WB result of ACSL3 antibody (20710-1-AP; 1:500; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACSL3 transfected HEK-293 cells. This data was developed using the same antibody clone with 20710-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 20710-1-AP (ACSL3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20710-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 20710-1-AP (ACSL3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20710-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 20710-1-AP (ACSL3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20710-1-PBS in a different storage buffer formulation.