

For Research Use Only

ACSL3 Polyclonal antibody

Catalog Number: 30214-1-AP



Basic Information

Catalog Number: 30214-1-AP	GenBank Accession Number: BC041692	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop;	GeneID (NCBI): 2181	Recommended Dilutions: WB 1:1000-1:8000 IP 0.5-4.0 ug for IP and 1:1000-1:8000 for WB
Source: Rabbit	Full Name: acyl-CoA synthetase long-chain family member 3	
Isotype: IgG	Calculated MW: 80 kDa	
Immunogen Catalog Number: AG33005	Observed MW: 72 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls: WB : DU 145 cells, HuH-7 cells, LNCaP cells, MKN-45 cells, mouse kidney tissue IP : LNCaP cells,
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

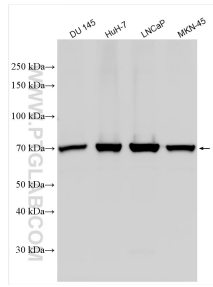
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

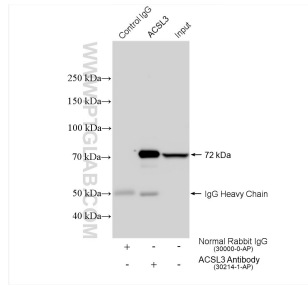
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.