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ACSL3 (C) Antibody, Rabbit Polyclonal

Cat#: R2379-2

Quantity: 100 ul

Predicted | Observed M.W.: 80 | 90 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: O95573

Background:

Long-chain-fatty-acid--CoA ligase 3 (ACSL3) belongs to the ATP-dependent AMP-binding enzyme family. Acyl-CoA synthetases (ACSL) activates long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. ACSL3 mediates hepatic lipogenesis. ACSL3 has mainly an anabolic role in energy metabolism. ACSL3 is required for the incorporation of fatty acids into phosphatidylcholine, the major phospholipid located on the surface of VLDL (very low density lipoproteins).

Other Names:

Long-chain-fatty-acid--CoA ligase 3, Long-chain acyl-CoA synthetase 3, LACS 3, ACS3, FACL3, LACS3

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human ACSL3. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

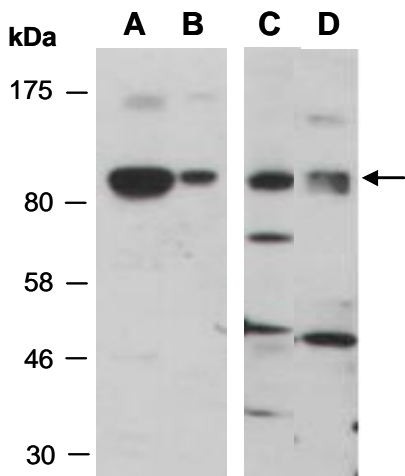


Fig 1. Western blot of total cell extracts from (A) human HeLa, (B, D) human Jurkat, (C) mouse thymus; using 2 independent Abs against 2 distinct regions of human ACSL3 at RT for 2 h.