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ACSL3 (vPair™) Antibodies

Cat#: R2379-vp

Lot#: Refer to vial

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

Uniprot ID: O95573

Application: WB

Quantity: 50 ul ACSL3 (N) (R2379-1) Rabbit Polyclonal Antibody &

50 ul ACSL3 (C) (R2379-2) Rabbit Polyclonal Antibody

Product Introduction:

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, ChIP, IHC, and FACS.

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, FAFL3, LACS3

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing either the N-terminal [ACSL3 (N) (R2379-1)] or the C-terminal [ACSL3 (C) (R2379-2)] region of human ACSL3. Antibodies were purified by affinity purification using immunogen.

Species Specificity:

Human, Mouse

**For research use only. Not for therapeutic or diagnostic purposes.
Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301**

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.

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:

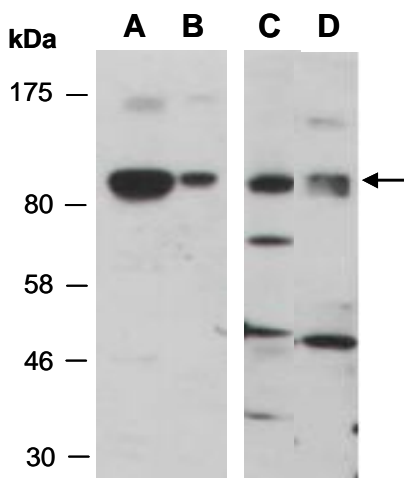


Fig 1. Western blot of total cell extracts from (A) human HeLa, (B, D) human Jurkat, (C) mouse thymus; using 2 independent Abs against 2 distinct regions of human ACSL3 at RT for 2 h.