

## SLC27A2

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 65kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human SLC27A2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

SLC27A2;ACSVL1;FACVL1;FATP2;HsT17226;VLACS;VLCS;hFACVL1 ;

**Catalog #:** A1077

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 11001

**Isotype:** IgG

**Swiss Prot:** O14975

**Purity:** Affinity purification

For research use only.

**Background:**

The protein encoded by this gene is an isozyme of long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme activates long-chain, branched-chain and very-long-chain fatty acids containing 22 or more carbons to their CoA derivatives. It is expressed primarily in liver and kidney, and is present in both endoplasmic reticulum and peroxisomes, but not in mitochondria. Its decreased peroxisomal enzyme activity is in part responsible for the biochemical pathology in X-linked adrenoleukodystrophy. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2009]

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