

## ACSL3 Polyclonal Antibody

<b>Catalog No.</b>	A11679	<b>Category</b>	Polyclonal Antibodies
<b>Applications</b>	WB	<b>Observed MW</b>	75kDa
<b>Cross-reactivity</b>	Human, Mouse	<b>Calculated MW</b>	80kDa

### Immunogen Information

<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 42-300 of human ACSL3 (NP_004448.2).
<b>Gene ID</b>	2181
<b>Swiss prot</b>	O95573
<b>Synonyms</b>	ACSL3; ACS3; FACL3; PRO2194; long-chain-fatty-acid--CoA ligase 3

### Product information

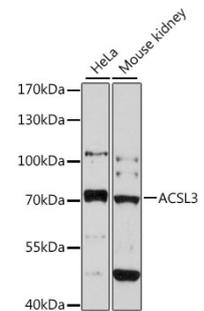
<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification method</b>	Affinity purification
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Background

The protein encoded by this gene is an isozyme of the 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 is highly expressed in brain, and preferentially utilizes myristate, arachidonate, and eicosapentaenoate as substrates. The amino acid sequence of this isozyme is 92% identical to that of rat homolog. Two transcript variants encoding the same protein have been found for this gene.

### Recommended Dilutions

WB 1:500 -  
1:2000



Western blot - ACSL3 Polyclonal Antibody (A11679)