

## ACSL3 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP14113
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 40-120
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human, Rat, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Long-chain-fatty-acid--CoA ligase 3
<b>Synonyms</b>	Long-chain-fatty-acid--CoA ligase 3 ;EC 6.2.1.3;Long-chain acyl-CoA synthetase 3;LACS 3

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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 Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year

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