

## Recombinant ACSL4 Monoclonal Antibody

catalog number: **AN300930L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

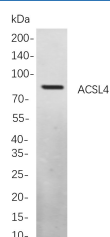
### Description

|                     |   |
|---------------------|---|
| <b>Reactivity</b>   | Human;Mouse;Rat   |
| <b>Immunogen</b>    | Recombinant Human ACSL4 protein                                 |
| <b>Host</b>         | Rabbit  |
| <b>Isotype</b>      | IgG, $\kappa$   |
| <b>Clone</b>        | B877  |
| <b>Purification</b> | Protein A   |
| <b>Buffer</b>       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

### Applications

| Applications | Recommended Dilution |
|--------------|----------------------|
| IHC          | 1:200-1:2000         |
| WB           | 1:1000-1:5000        |
| IF           | 1:200-1:1000         |
| ELISA        | 1:5000-1:20000       |
| IP           | 1:50-1:200           |

### Data



Western Blot with Recombinant ACSL4 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Hela cells.

**Observed-MW:78 kDa**

**Calculated-MW:78 kDa**

### Preparation & Storage

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| <b>Shipping</b> | Ice bag   |

### 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 preferentially utilizes arachidonate as substrate. The absence of this enzyme may contribute to the cognitive disability or Alport syndrome. Alternative splicing of this gene generates multiple transcript variants.

### For Research Use Only

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