# ACSL3 Rabbit mAb

Catalog No.: A22085 Recombinant 4 Publications



## **Basic Information**

### **Observed MW**

75kDa

#### **Calculated MW**

80kDa

### Category

Primary antibody

### **Applications**

WB,IF/ICC,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

#### CloneNo number

ARC55219

## **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 1:10000 - 1:30000

**IF/ICC** 1:200 - 1:800

**ELISA** Recommended starting concentration is 1 μg/mL.

Please optimize the concentration based on your specific assay requirements.

## **Immunogen Information**

**Gene ID**2181

Swiss Prot
095573

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

ACS3; FACL3; LACS3; LACS 3; PRO2194; ACSL3

## **Contact**

| <b>a</b> | 400-999-6126              |
|----------|---------------------------|
| ×        | cn.market@abclonal.com.cn |
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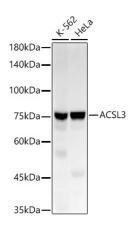
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



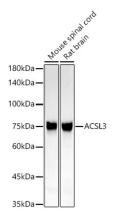
Western blot analysis of various lysates using ACSL3 Rabbit mAb (A22085) at 1:30000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



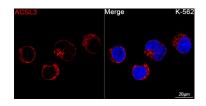
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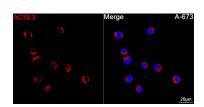
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Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.





Confocal imaging of K-562 cells using ACSL3 Rabbit mAb (A22085,dilution 1:200)(Red).DAPI was used for nuclear staining (blue). Objective: 100x.

Confocal imaging of A-673 cells using ACSL3 Rabbit mAb (A22085, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.