

Datasheet for ABIN5533657

**anti-ACSL4 antibody (N-Term)**[Go to Product page](#)**1** Image

## Overview

|                      |                                      |
|----------------------|--------------------------------------|
| Quantity:            | 400 µL                               |
| Target:              | ACSL4                                |
| Binding Specificity: | AA 28-56, N-Term                     |
| Reactivity:          | Human                                |
| Host:                | Rabbit                               |
| Clonality:           | Polyclonal                           |
| Conjugate:           | This ACSL4 antibody is un-conjugated |
| Application:         | Western Blotting (WB)                |

## Product Details

|               |  |
|---------------|--|
| Immunogen:    | This ACSL4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-56 amino acids from the N-terminal region of human ACSL4. |
| Isotype:      | Ig Fraction  |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification.   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | ACSL4   |
| Alternative Name: | ACSL4 ( <a href="#">ACSL4 Products</a> )  |
| 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 |

### Target Details

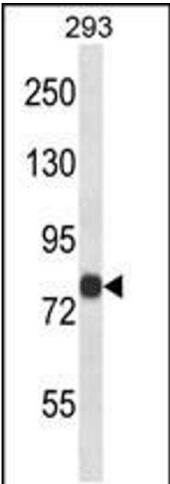
|                   |  |
|-------------------|--|
|                   | esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme preferentially utilizes arachidonate as substrate. The absence of this enzyme may contribute to the mental retardation or Alport syndrome. Alternative splicing of this gene generates 2 transcript variants. |
| Molecular Weight: | 79 kDa   |
| Gene ID:          | 2182   |
| UniProt:          | <a href="#">O60488</a>   |

### Application Details

|                    |                                     |
|--------------------|-------------------------------------|
| Application Notes: | For WB starting dilution is: 1:1000 |
| Restrictions:      | For Research Use only               |

### Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 0.5 mg/mL  |
| Buffer:            | Supplied in PBS with 0.09 % (W/V) sodium azide.  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.   |
| Storage:           | 4 °C,-20 °C  |
| Storage Comment:   | Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |



Western Blotting

**Image 1.** Western blot analysis in 293 cell line lysates (35ug/lane).