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Datasheet for ABIN6136458

## anti-ACSL4 antibody (AA 1-280)

7 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	ACSL4
Binding Specificity:	AA 1-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACSL4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human ACSL4 (NP_004449.1).
Sequence:	MAKRIKAKPT SDKPGSPYRS VTHFDSLAVI DIPGADTLDK LFDHAVSKFG KKDSLGTREI LSEENEMQPN GKVFKKLILG NYKWMNYLEV NRRVNNFGSG LTALGLKPKN TIAIFCETRA EWMIAAQTCF KYNFPLVTLY ATLGKEAVVH GLNESEASYL ITSVELLESK LKTALLDISC VKHIIYVDNK AINKAEYPEG FEIHSMQSVE ELGSPENLG IPPSRPTPSD MAIVMYTSGS TGRPKGVM MH HSNLIAGMTG QCERIPGLGP KDTYIGYLP L
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	ACSL4
Alternative Name:	ACSL4 ( <a href="#">ACSL4 Products</a> )
Background:	<p>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 mental retardation or Alport syndrome. Alternative splicing of this gene generates multiple transcript variants.,ACSL4,ACS4,FACL4,LACS4,MRX63,MRX68,Cancer,Signal Transduction,Endocrine &amp; Metabolism,Lipid Metabolism,ACSL4</p>
Molecular Weight:	74 kDa/79 kDa
Gene ID:	2182
UniProt:	<a href="#">O60488</a>

## Application Details

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Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

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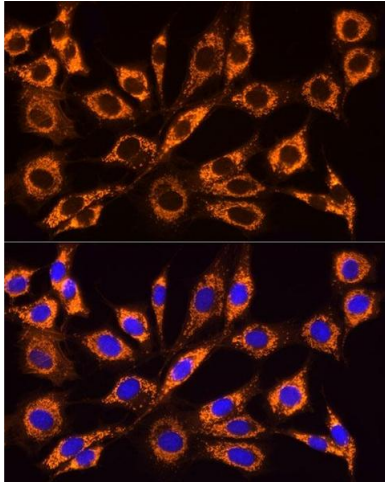
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

## Publications

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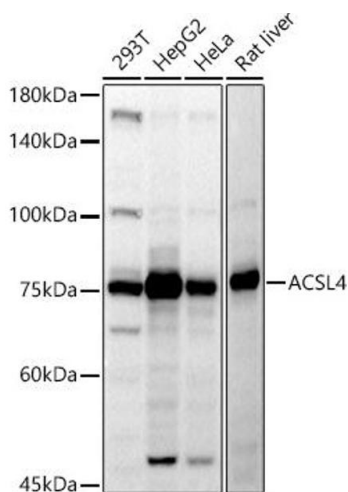
Product cited in:	Zhang, Wang, Cui, Deng, Xu, Yu, Cichello, Serrero, Ying, Liu: "Morphologically and Functionally
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## Images



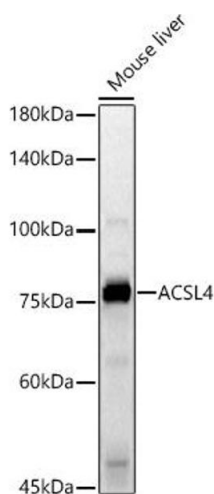
## Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH/3T3 cells using Rabbit pAb (ABIN6129864, ABIN6136458, ABIN6136459 and ABIN6222564) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



## Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using antibody (ABIN6129864, ABIN6136458, ABIN6136459 and ABIN6222564) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



## Western Blotting

**Image 3.** Western blot analysis of extracts of Mouse liver, using antibody (ABIN6129864, ABIN6136458, ABIN6136459 and ABIN6222564) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN6136458.