



Datasheet for ABIN7265424
anti-ACSL4 antibody



[Go to Product page](#)

7 Images

Overview

Quantity:	100 µL
Target:	ACSL4
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ACSL4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	ACSL4 Rabbit mAb
Immunogen:	A synthetic peptide of human ACSL4.
Sequence:	KLERFEIPIK VRLS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ACSL4
Alternative Name:	FACL4 (ACSL4 Products)

Target Details

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 mental retardation or Alport syndrome. Alternative splicing of this gene generates multiple transcript variants.,ACSL4,ACS4,FACL4,LACS4,MRX63,MRX68,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,FACL4

Molecular Weight: 74kDa/79kDa

Gene ID: 2182

UniProt: [O60488](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IP,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

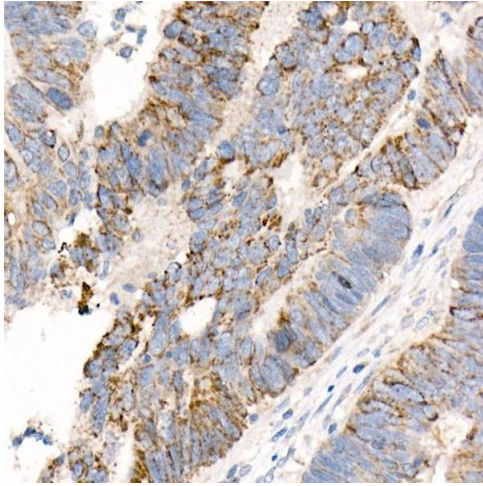
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

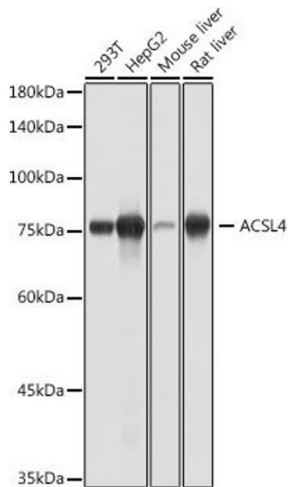
Storage: -20 °C

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



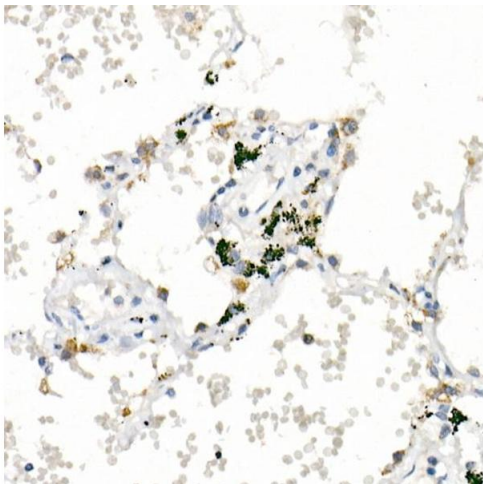
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon carcinoma using Rabbit mAb (ABIN7265424) at dilution of 1:1000 (40x lens).



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using antibody (ABIN7265424) at 1:1000 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: 1s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human lung using Rabbit mAb (ABIN7265424) at dilution of 1:1000 (40x lens).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7265424.