

## Anti-ACSL4 antibody (42-321) [S9MR] (STJ11103299)

### GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/IP/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

### PRODUCT PROPERTIES

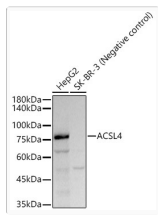
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:58000-1:232000 IHC-P:1:200-1:2000 IF/CC:1:200-1:800 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your
Formulation	PBS with 0.09% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 79kDa Observed Mw: 79kDa/
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

### TARGET INFORMATION

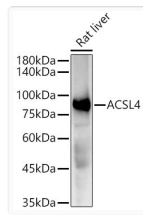
Gene ID	<a href="#">2182</a>
Gene Symbol	<a href="#">ACSL4</a>
UniProt ID	<a href="#">ACSL4_HUMAN</a>
Immunogen Region	42-321
Immunogen Sequence	MAKRIKAKPTSDKPGSPYRS VTHFDSLAVIDIPGADTLDK LFDHAVSKFGKKDSLGTREI LSEENEMQPNGKVFVKLILG NYKWMNYLEVNRVNNFGSG LTALGLKPKNTIAIFCETRA EWMIAAQTCFKYNFPLVTLY ATLGKEAVVHGLNESEASYL ITSVELLESKLTALLDISC VKHIIYVDNKAINKAEYPEG FEIHSMQSVEELGSPENLG IPPSRPTPSDMAIVMYTSG
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 42-321 of human ACSL4 (NP_075266.1).

### ADDITIONAL INFORMATION

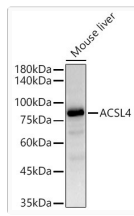
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.
------	---



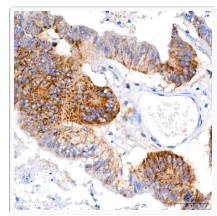
Western blot analysis of extracts of various lysates, using ACSL4 antibody (STJ11103299) at 1:20000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 0. 3s.



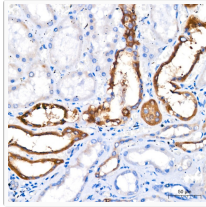
Western blot analysis of extracts of Rat liver, using ACSL4 antibody (STJ11103299) at 1:20000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



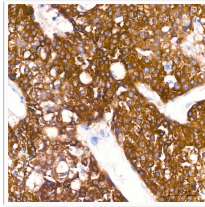
Western blot analysis of extracts of mouse liver, using ACSL4 antibody (STJ11103299) at 1:20000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.



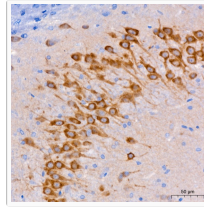
Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using ACSL4 rabbit monoclonal antibody (STJ11103299) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6. 0 before commencing with immunohistochemistry staining protocol.



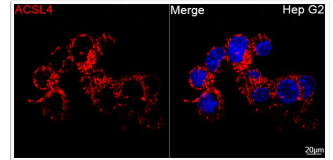
Immunohistochemistry analysis of paraffin-embedded human kidney using ACSL4 rabbit monoclonal antibody (STJ11103299) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6. 0 before commencing with immunohistochemistry staining protocol.



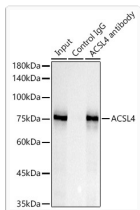
Immunohistochemistry analysis of paraffin-embedded human liver cancer using ACSL4 rabbit monoclonal antibody (STJ11103299) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6. 0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat brain using ACSL4 rabbit monoclonal antibody (STJ11103299) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6. 0 before commencing with immunohistochemistry staining protocol.



Confocal imaging of HepG2 cells using ACSL4 rabbit monoclonal antibody (STJ11103299, dilution 1:1000) (Red). DAPI was used for nuclear staining (blue). Objective: 60x.



Immunoprecipitation analysis of 300 Mu g extracts of HepG2 cells using 3 Mu g ACSL4 antibody (STJ11103299). Western blot was performed from the immunoprecipitate using ACSL4 antibody (STJ11103299) at a dilution of 1:1000.