

## Anti-ACSL1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

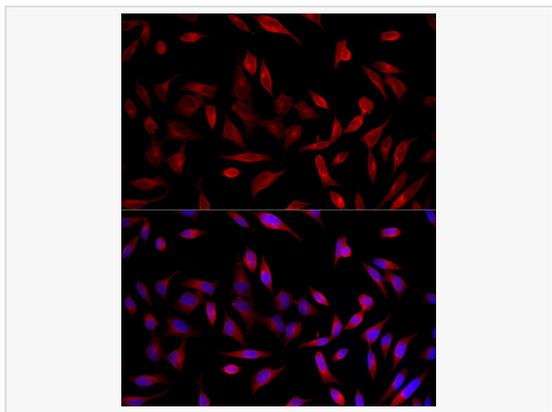
Catalog # P103321

### Product Information

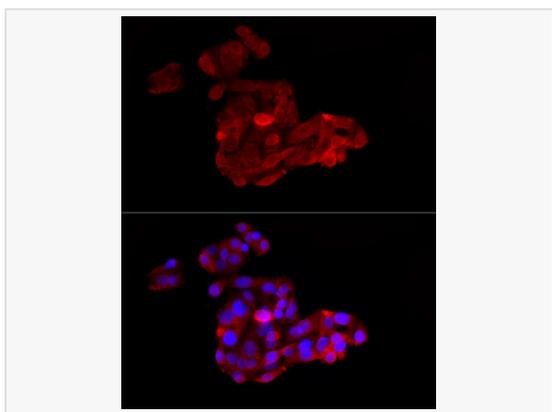
Application	WB, IF (Cell)/ICC, IP, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IF 1:50~1:200; IP 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 46-145 of human ACSL1 (NP_001986.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ACSL1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

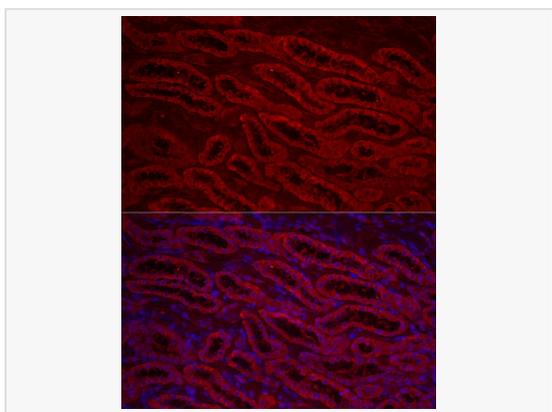
Synonyms	ACSL1; LACS; FAFL1; FAFL2; LACS1; LACS2; ACSL1.
Calculated MW	Calculated MW: 78 kDa; Observed MW: 78 kDa
Uniprot ID	P33121
Gene ID	2180
Background	The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, 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. Several transcript variants encoding different isoforms have been found for this gene.



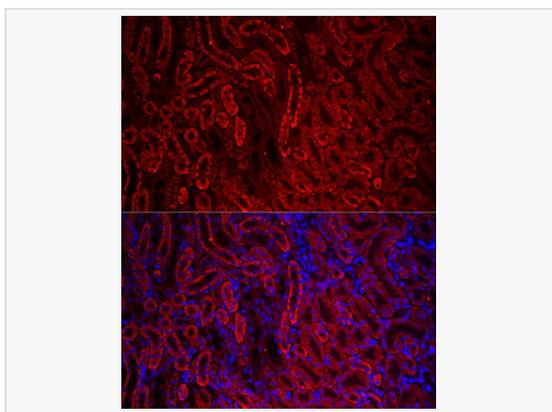
Immunofluorescence analysis of HeLa cells using ACSL1 Rabbit pAb (P103321) at dilution of 1:200 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



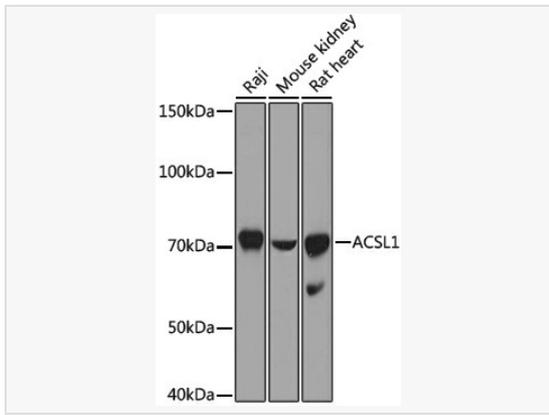
Immunofluorescence analysis of HepG2 cells using ACSL1 Rabbit pAb (P103321) at dilution of 1:200 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded rat kidney using ACSL1 Rabbit pAb (P103321) at dilution of 1:200 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded mouse kidney using ACSL1 Rabbit pAb (P103321) at dilution of 1:200 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of various lysates using ACSL1 Rabbit pAb (P103321) at 1:1,000 dilution.

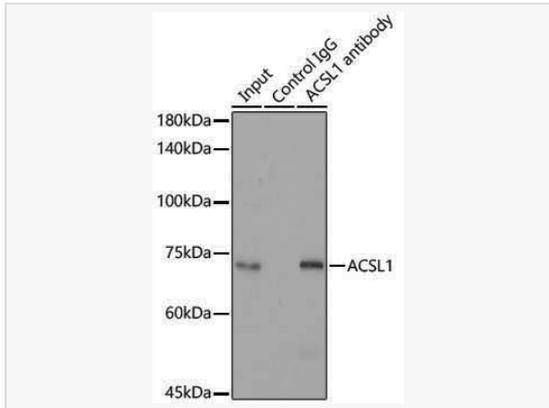
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25 $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit.

Exposure time: 10s.



Immunoprecipitation analysis of 300  $\mu$ g extracts of Raji cells using 3  $\mu$ g ACSL1 Rabbit pAb (P103321). Western blot was performed from the immunoprecipitate using ACSL1 Rabbit pAb (P103321) at a dilution of 1:1000.