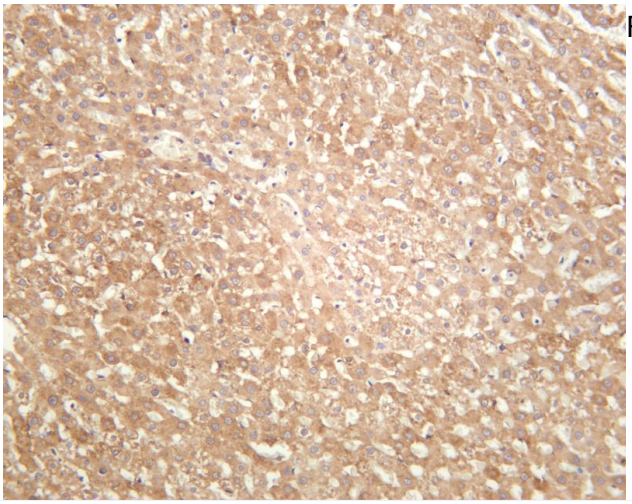
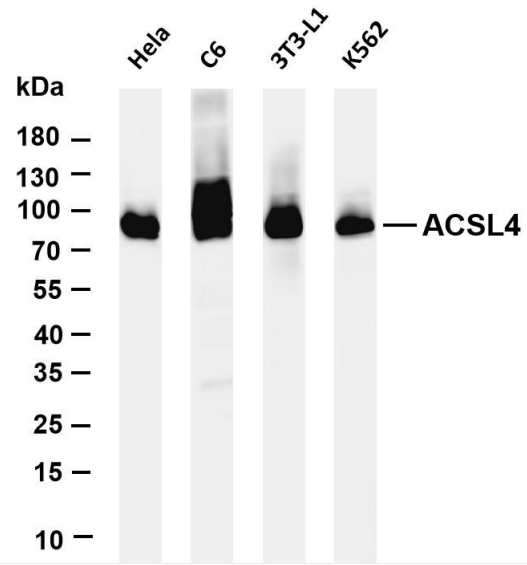
ACSL4 Rabbit mAb

Catalog No	YP-rAb-17905
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	ACSL4 ACS4 FACL4 LACS4
Protein Name	ACSL4
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:2000; WB 1:1000-1:5000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	Long-chain-fatty-acid--CoA ligase 4 ; Long-chain acyl-CoA synthetase 4 ; LACS 4 ;
Observed Band	78kD
Calculated Molecular Weight	78kD
Cell Pathway	Membrane
Tissue Specificity	
Function	
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 cognitive disability or Alport syndrome. Alternative splicing of this gene generates multiple transcript variants. [provided by RefSeq, Jan 2016]

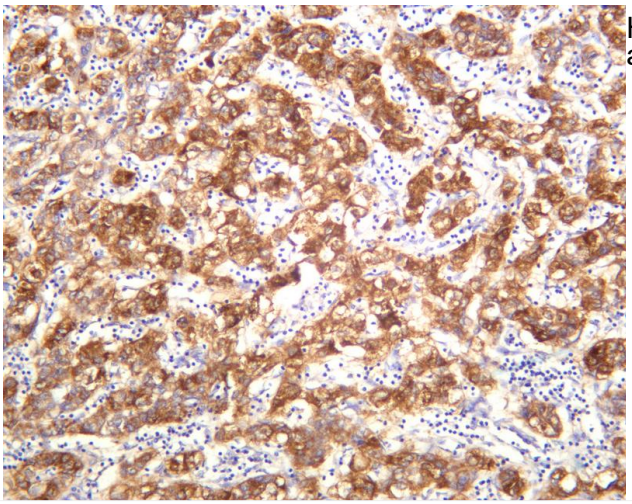
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



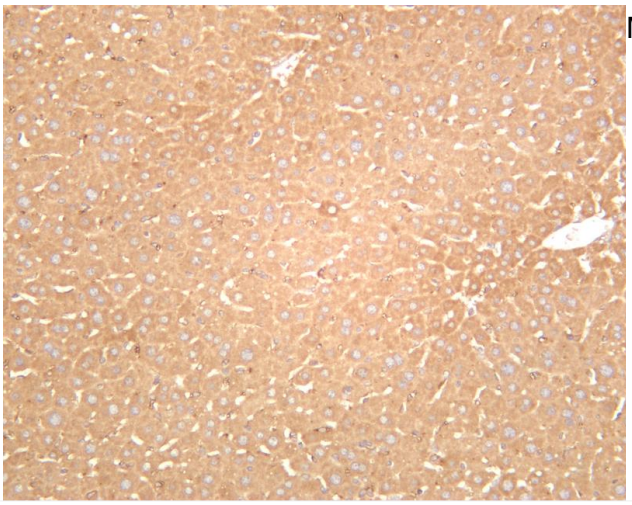
Rat liver was stained with anti-ACSL4 rabbit antibody



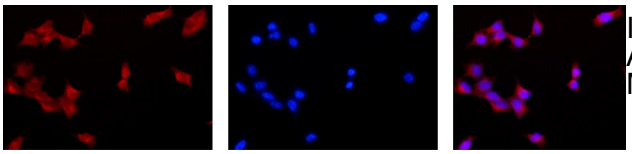
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-ACSL4 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Hela Lane 2: C6 Lane 3: 3T3-L1 Lane 4: K562 Predicted band size: 78kDa Observed band size: 78kDa



Human hepatocellular carcinoma was stained with anti-ACSL4 rabbit antibody



Mouse liver was stained with anti-ACSL4 rabbit antibody



Immunofluorescence analysis of HEK293. Picture A: ACSL4 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

A B C