

Basic Information

Product Name	Anti-ACAA1 Antibody	
Gene Name	ACAA1	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived human ACAA1 recombinant protein (Position: M1-N424).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	41 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-400
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-400
	Enzyme linked immunosorbent assay (ELISA):	1:100-1000
	(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

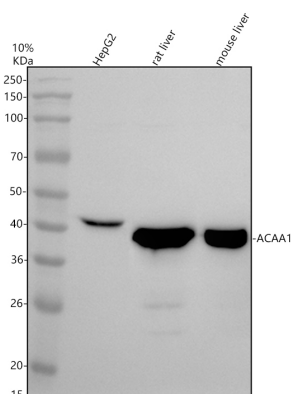
Background Information

This gene encodes an enzyme operative in the beta-oxidation system of the peroxisomes. Deficiency of this enzyme leads to pseudo-Zellweger syndrome. Alternative splicing results in multiple transcript variants.

Reference

Anti-ACAA1 Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of ACAA1 using anti-ACAA1 antibody

(A07559-4). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

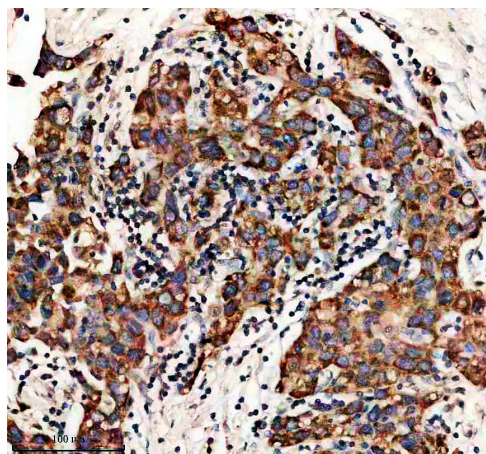
Lane 1: human HepG2 whole cell lysates,

Lane 2: rat liver tissue lysates,

Lane 3: mouse liver tissue lysates.

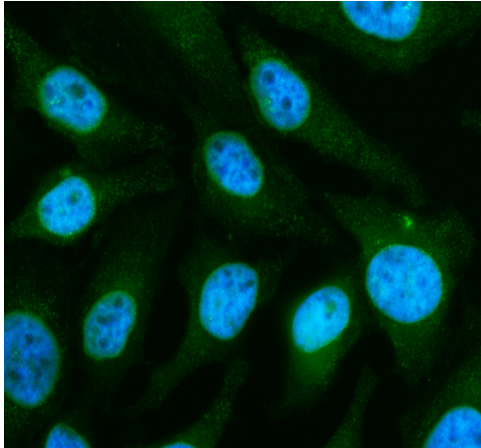
After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-ACAA1 antigen affinity purified polyclonal antibody (A07559-4) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ACAA1 at approximately 41 kDa. The expected band size for ACAA1 is at 44 kDa.



IHC analysis of ACAA1 using anti-ACAA1 antibody (A07559-4).

ACAA1 was detected in a paraffin-embedded section of human liver cancer tissue. The tissue section was incubated with rabbit anti-ACAA1 Antibody (A07559-4) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.



ICC/IF analysis of ACAA1 using anti-ACAA1 antibody (A07559-4). ACAA1 was detected in an immunocytochemical section of HeLa cells. The section was incubated with rabbit anti-ACAA1 Antibody (A07559-4) at a dilution of 1:100. Fluoro488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).