

Product datasheet for **CF811054**

ACAA1 Mouse Monoclonal Antibody [Clone ID: OTI4F1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4F1
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ACAA1 (NP_001598) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	44.1 kDa
Gene Name:	acetyl-CoA acyltransferase 1
Database Link:	NP_001598 Entrez Gene 24157 Rat Entrez Gene 30 Human P09110
Background:	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. [provided by RefSeq, Jul 2008]

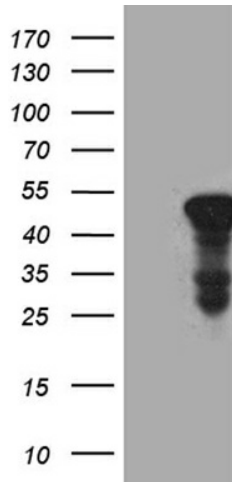


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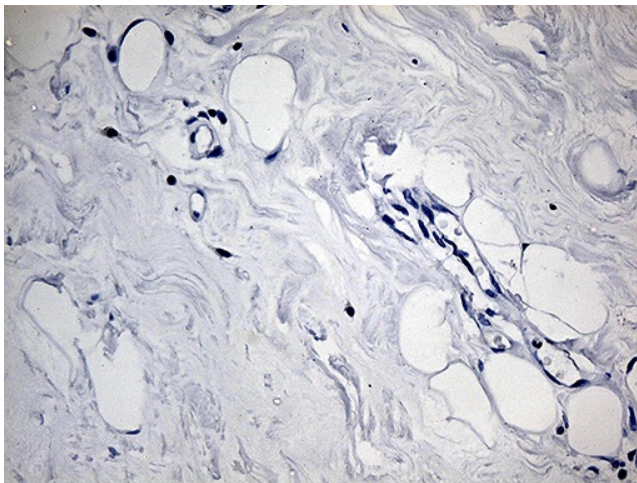
Synonyms: ACAA; PTHIO; THIO

Protein Pathways: Biosynthesis of unsaturated fatty acids, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway, Valine, leucine and isoleucine degradation

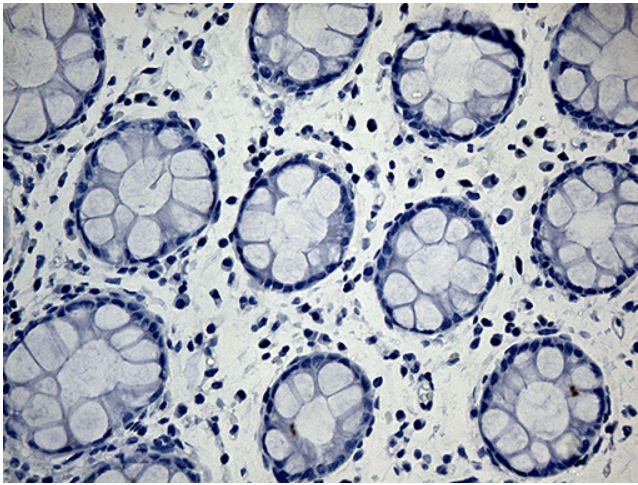
Product images:



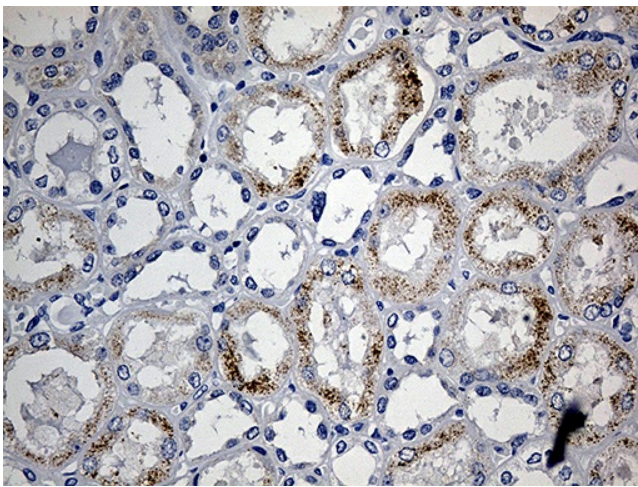
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ACAA1 (Cat# [RC200213], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ACAA1 (Cat# [TA811054]). Positive lysates [LY400605] (100ug) and [LC400605] (20ug) can be purchased separately from OriGene.



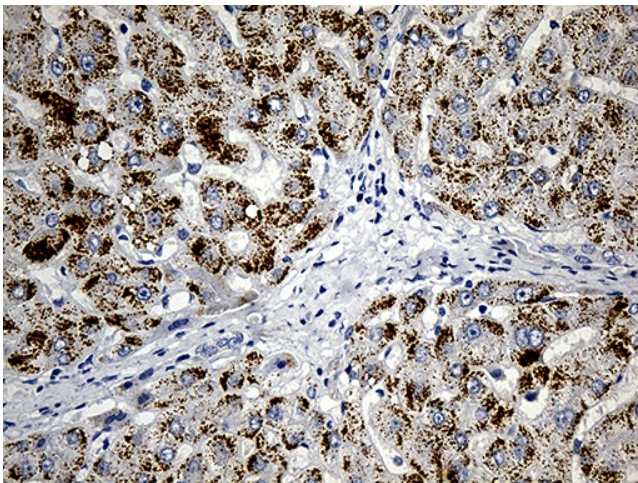
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-ACAA1 mouse monoclonal antibody. This figure shows negative staining. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811054]) (1:500)



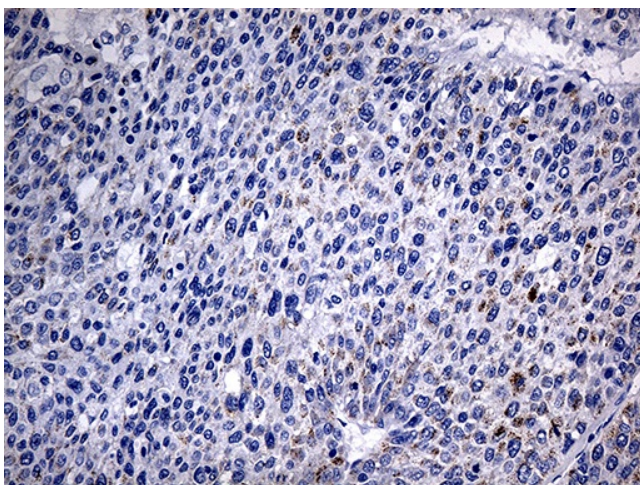
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-ACAA1 mouse monoclonal antibody. This figure shows negative staining. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811054]) (1:500)



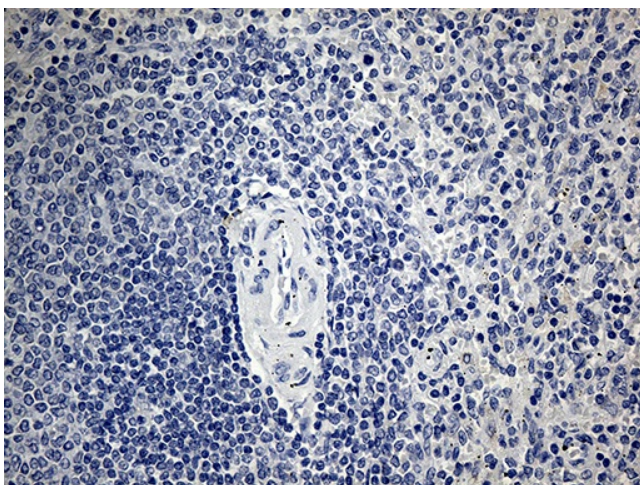
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-ACAA1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811054]) (1:500)



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-ACAA1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811054]) (1:500)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-ACAA1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811054]) (1:500)



Immunohistochemical staining of paraffin-embedded Human spleen tissue within the normal limits using anti-ACAA1 mouse monoclonal antibody. This figure shows negative staining. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811054]) (1:500)