

Product datasheet for **TA346554**

ACAA1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ACAA1 antibody: synthetic peptide directed towards the N terminal of human ACAA1. Synthetic peptide located within the following region: ADVVVVHGRRTAICRAGRGGFKDTTPDELLSAVMTAVLKDVNLRPEQLGD
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	44 kDa
Gene Name:	acetyl-CoA acyltransferase 1
Database Link:	NP_001598 Entrez Gene 24157 Rat Entrez Gene 30 Human P09110



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Background:

Inhibition of the nuclear export of poly(A)-containing mRNAs caused by the influenza A virus NS1 protein requires its effector domain. The NS1 effector domain functionally interacts with the cellular 30 kDa subunit of cleavage and polyadenylation specific factor 4, an essential component of the 3' end processing machinery of cellular pre-mRNAs. In influenza virus-infected cells, the NS1 protein is physically associated with cleavage and polyadenylation specific factor 4, 30kD subunit. Binding of the NS1 protein to the 30 kDa protein in vitro prevents CPSF binding to the RNA substrate and inhibits 3' end cleavage and polyadenylation of host pre-mRNAs. Thus the NS1 protein selectively inhibits the nuclear export of cellular, and not viral, mRNAs. Multiple alternatively spliced transcript variants that encode different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

Synonyms:

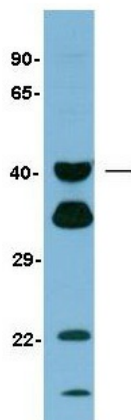
ACAA; PTHIO; THIO

Note:

Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Rabbit: 100%; Guinea pig: 100%; Dog: 93%; Bovine: 93%; Mouse: 86%; Zebrafish: 86%

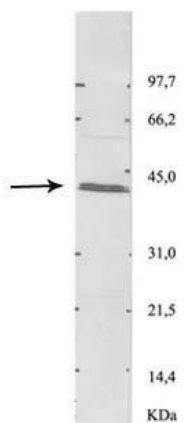
Protein Pathways:

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

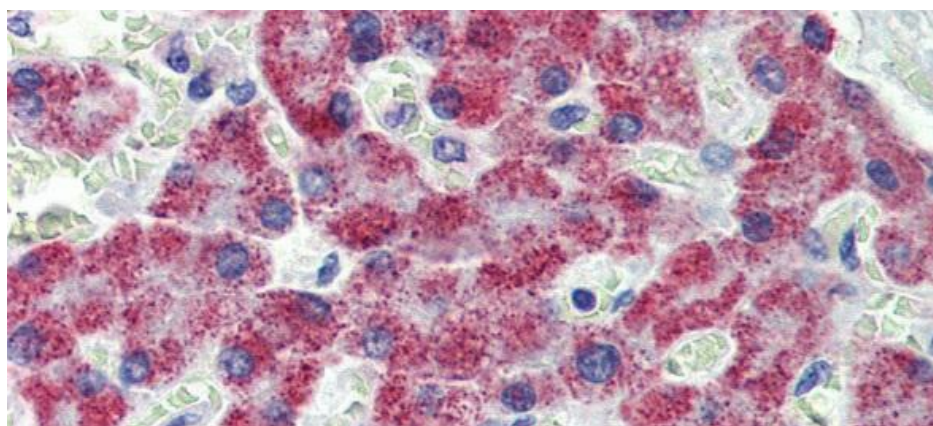
Product images:**ACAA1**

ACAA1 antibody - N-terminal region validated by WB using Human Liver cell lysate at 1: 1000.

ACAA1



Rat purified peroxisomes



Immunohistochemistry with Human Liver cell lysate tissue