

Product datasheet for **TA321036S**

ACADS Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Human liver cancer tissue, rat kidney and human fetal liver tissue IHC: 25-100 Positive control: Human colon cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 250 amino acids of human acyl-CoA dehydrogenase, C-2 to C-3 short chain
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Purification:	Antigen affinity purification
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:	acyl-CoA dehydrogenase, C-2 to C-3 short chain
Database Link:	NP_000008 Entrez Gene 11409 Mouse Entrez Gene 64304 Rat Entrez Gene 35 Human P16219

Background: This gene encodes a tetrameric mitochondrial flavoprotein, which is a member of the acyl-CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Mutations in this gene have been associated with Short Chain Acyl-CoA Dehydrogenase Deficiency. It is an autosomal recessive disorder resulting in acute acidosis and muscle weakness in infants, and a form of lipid-storage myopathy in adults.



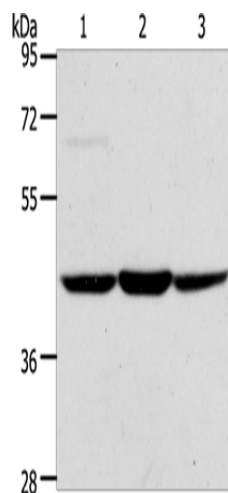
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Synonyms: ACAD3; SCAD

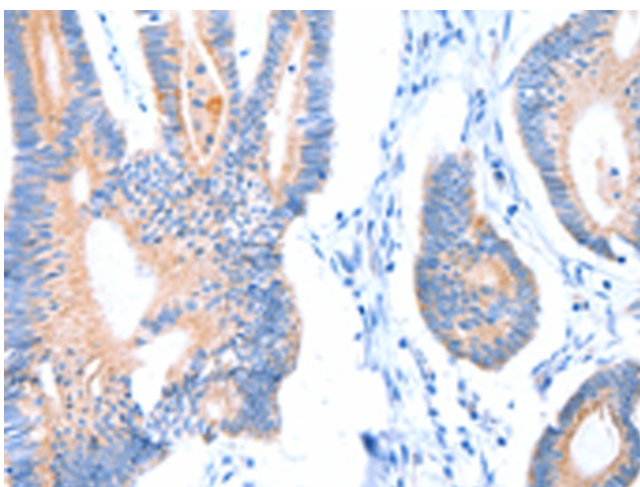
Protein Families: Druggable Genome

Protein Pathways: Butanoate metabolism, Fatty acid metabolism, Metabolic pathways, Valine, leucine and isoleucine degradation

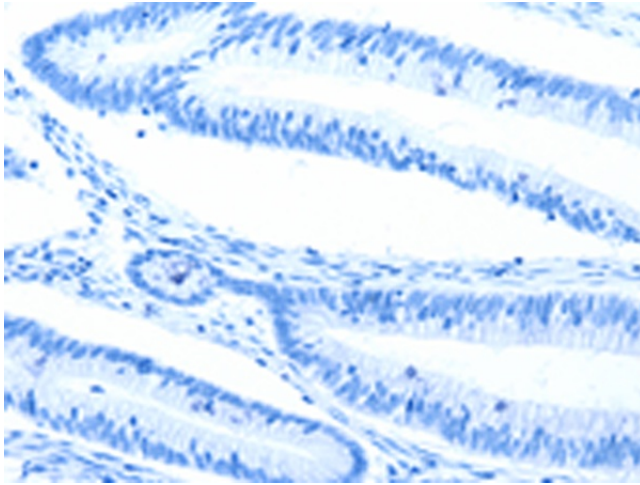
Product images:



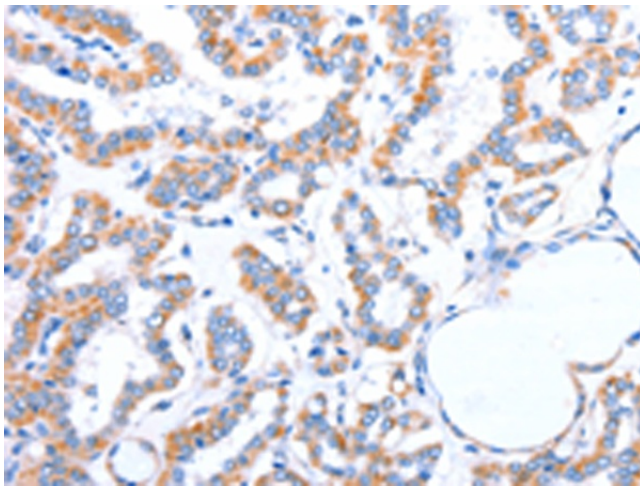
Gel: 10%SDS-PAGE
Lysate: 40 μ g
Lane 1-3: Human liver cancer tissue
rat kidney tissue
human fetal liver tissue
Primary antibody: [TA321036] (ACADS Antibody)
at dilution 1/400
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 90 seconds



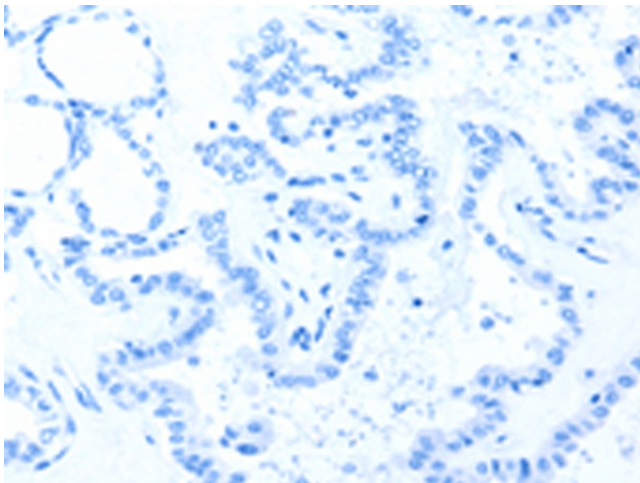
Immunohistochemistry of paraffin-embedded
Human colon cancer tissue using [TA321036]
(ACADS Antibody) at dilution 1/20 (Original
magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA321036] (ACADS Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA321036] (ACADS Antibody) at dilution 1/20 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA321036] (ACADS Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: $\times 200$)