

## Product datasheet for **TA321035**

### ACADS Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Rat kidney tissue IHC: 25-100 Positive control: Human cervical 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 <sub>3</sub> , 50% glycerol
Concentration:	lot specific
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:	<a href="#">NP_000008</a> <a href="#">Entrez Gene 11409 Mouse</a> <a href="#">Entrez Gene 64304 Rat</a> <a href="#">Entrez Gene 35 Human</a> <a href="#">P16219</a>



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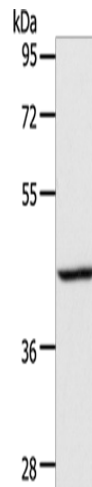
**Background:** This gene encodes a tetrameric mitochondrial flavoprotein, which is a member of the acyl-CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Mutations in this gene have been associated with Short Chain Acyl-CoA Dehydrogenase 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.

**Synonyms:** ACAD3; SCAD

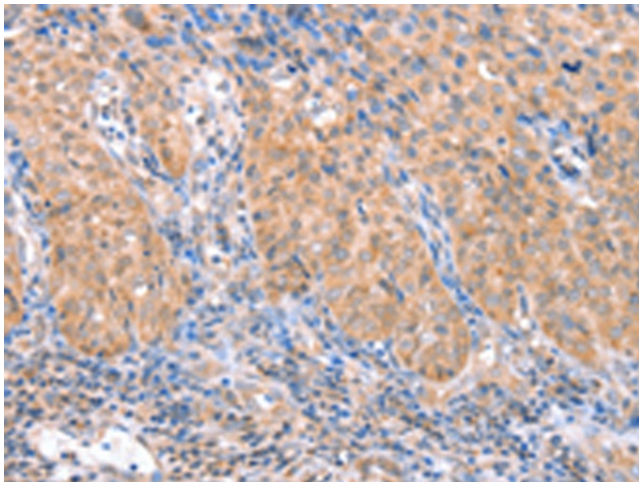
**Protein Families:** Druggable Genome

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

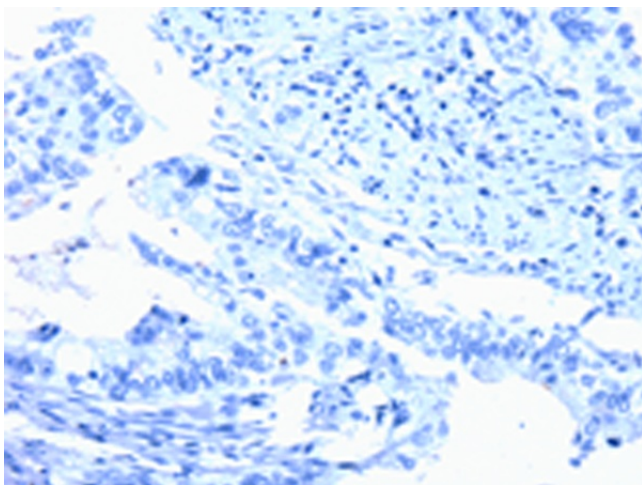
### Product images:



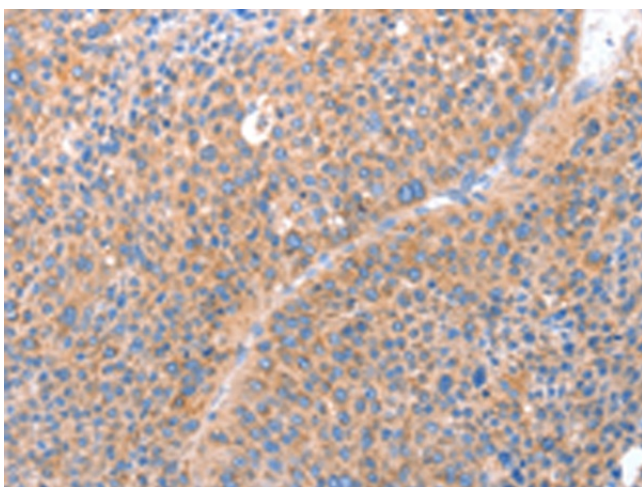
Gel: 10%SDS-PAGE  
Lysate: 40 µg  
Lane: Rat kidney tissue  
Primary antibody: TA321035 (ACADS Antibody) at dilution 1/350  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 90 seconds



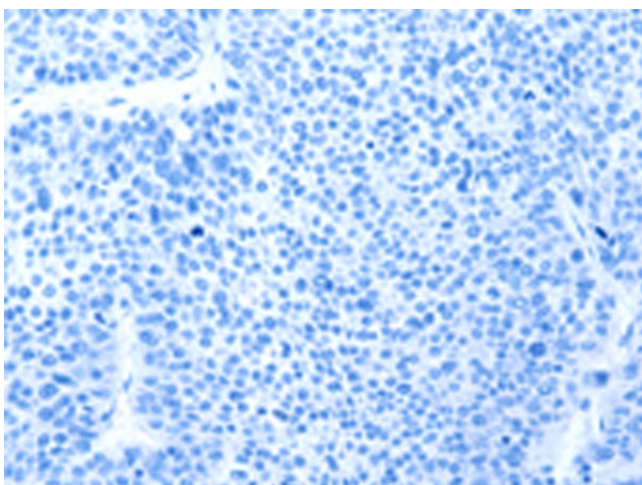
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA321035 (ACADS Antibody) at dilution 1/15 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA321035 (ACADS Antibody) at dilution 1/15, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA321035 (ACADS Antibody) at dilution 1/15 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA321035 (ACADS Antibody) at dilution 1/15, treated with fusion protein. (Original magnification: ×200)