

## Product datasheet for **TA322145S**

### ACAD11 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Human fetal liver tissue
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 121-400 amino acids of human acyl-CoA dehydrogenase family, member 11
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 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:	87 kDa
Gene Name:	acyl-CoA dehydrogenase family member 11
Database Link:	<a href="#">NP_115545</a> <a href="#">Entrez Gene 315973 Rat</a> <a href="#">Entrez Gene 84129 Human</a> <a href="#">Q709F0</a>



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**Background:**

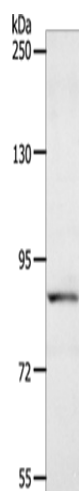
The deduced full-length ACAD11 protein contains an N-terminal aminoglycoside phosphotransferase domain; followed by a mitochondria localization signal and ACAD N-terminal; middle; and C-terminal domains. It also has a glycosylation site and a C-terminal peroxisome-targeting signal. The ACAD domain contains a catalytic aspartate rather than the catalytic glutamate found in most other ACADs. Real-time RT-PCR detected ACAD11 expression in all tissues examined; with highest expression in adult brain; followed by heart; liver; spinal cord; and kidney. Western blot analysis of fractionated human cerebellum and kidney revealed that ACAD11 associated with mitochondrial membranes; but not mitochondrial matrix. Immunohistochemical analysis showed that ACAD11 colocalized with a mitochondrial marker in human neuroblastoma cells.

**Synonyms:**

ACAD-11

**Protein Families:**

Druggable Genome

**Product images:**

Gel: 8%SDS-PAGE  
Lysate: 40 µg  
Lane: Human fetal liver tissue  
Primary antibody: [TA322145] (ACAD11 Antibody) at dilution 1/400  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 1 minute