

ACADS mouse monoclonal antibody (hybridoma)

Catalog # H00000035-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ACADS.
Immunogen	ACADS (AAH25963.1, 1 a.a. ~ 412 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAALLARASGPARRALCPRAWRLHTYQSVLPETHQMLLQTCRDFAEKELFPIAAQVDKEHL FPAAQVKKMGGLGLLAMDVPEELGGAGLDYLAIAAMEEISRGCASTGVIMSVNNSLYLGPILKFG SKEQKQAWVTPFTSGDKIGCFALSEPGNGSDAGAASTTARAEGDSWVLNGTKAWITNAWEASA AVVFASTDRALQNKSSISAFVPMPTPGLTLGKKEDKLGIRGSSTANLIFEDCRIPKDSILGEPGMGF KIAMQTLDMGRIGIASQALGIAQTALDCAVNYAENRMAFGAPLTKLQVIQFKLADMALALESARLLT WRAAMLKDNKKPFIKEAAMAKLAASEAATAISHQAIQILGGMGYVTEMPAERHYRDARITEIYEGTS EIQRLVIAGHLLRSYRS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (90)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ACADS

Entrez GeneID	35
GeneBank Accession#	BC025963.1
Protein Accession#	AAH25963.1
Gene Name	ACADS
Gene Alias	ACAD3, SCAD
Gene Description	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain
Omim ID	201470 606885
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a 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. [provided by RefSeq]
Other Designations	butyryl-CoA dehydrogenase short chain acyl-CoA dehydrogenase unsaturated acyl-CoA reductase

Pathway

- [Butanoate metabolism](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [Valine](#)

Disease

- [Alcoholism](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Interview](#)
- [Lipid Metabolism](#)