

ACAD9 mouse monoclonal antibody (hybridoma)

Catalog # H00028976-M Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ACAD9.
Immunogen	ACAD9 (NP_054768.2, 1 a.a. ~ 621 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSGCGLFLRTTAAARACRGLVVSTANRRLRTSPPVRAFAKELFLGKIKKKEVFPFPEVSQDELN EINQFLGPVEKFFTEEVDSRKIDQEGKIPDETLEKLKSLGLFGLQVPPEYGGGLGFSNTMYSRLGEII SMDGSITVTLAAHQAIKLGILAGTEEQKAKYLPKLASGEHIAAFCLTEPASGSDAASIRSRTLSE DKKHLYLNGSKVWITNGGLANIFTVFAKTEVVSDSGSVKDKITAFMERDFGGVTNGKPEDKLGIRG SNTCEVHFENTKIPVENILGEVGDGFKVAMNINSGRFSMGSVVAGLLKRLIEMTAEYACTRKQFN KRLSEFGLIQEKFALMAQKAYVMESMTYLTAGMLDQPGFPDCSIEAAMVKVFSSEAAWQCVSEA LQILGGLGYTRDYPYERILRDTRILLFEGTNEILRMYALTGLQHAGRILTTRIHELKQAKVSTVMDTVG RRLRDSLGRTVDLGLTGNHGVVHPSLADSANKFEENTYCFGRVETLLLRFGKTIMEEQVLVKRV ANILINLYGMTAVLSRASRSIRIGLRNHDHEVLLANTFCVEAYLQNLFSLSQLDKYAPENLDEQIKKV SQQILEKRAYICAHPLDRTC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (85)
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 — ACAD9

Entrez GeneID [28976](#)

GeneBank Accession# [NM_014049.3](#)

Protein Accession# [NP_054768.2](#)

Gene Name ACAD9

Gene Alias ACAD-9, FLJ23533, MGC14452, NPD002

Gene Description acyl-Coenzyme A dehydrogenase family, member 9

Omim ID [611103](#) [611126](#)

Gene Ontology [Hyperlink](#)

Gene Summary Mitochondrial fatty acid beta-oxidation is one of the main energy-producing metabolic pathways in eukaryotes. Acyl-CoA dehydrogenases (ACADs; EC 1.3.99.13) are mitochondrial enzymes that catalyze the initial rate-limiting step in the beta-oxidation of fatty acyl-CoA. ACAD9 belongs to a group of ACADs that act on fatty acids containing 14 to 20 carbons (Zhang et al., 2002 [PubMed 12359260]).[supplied by OMIM]

Other Designations acyl-CoA dehydrogenase 9|very-long-chain acyl-CoA dehydrogenase VLCAD

Pathway

- [1- and 2-Methylnaphthalene degradation](#)
- [Geraniol degradation](#)