

ACMSD rabbit monoclonal antibody

Catalog # H00130013-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ACMSD peptide using ARM Technology.
Immunogen	A synthetic peptide of human ACMSD is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ACMSD peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — ACMSD

Entrez GeneID	130013
GeneBank Accession#	ACMSD
Gene Name	ACMSD
Gene Alias	-
Gene Description	aminocarboxymuconate semialdehyde decarboxylase
Omim ID	608889
Gene Ontology	Hyperlink
Gene Summary	The neuronal excitotoxin quinolinate is an intermediate in the de novo synthesis pathway of NAD from tryptophan, and has been implicated in the pathogenesis of several neurodegenerative disorders. Quinolinate is derived from alpha-amino-beta-carboxy-muconate-epsilon-semialdehyde (ACMS). ACMSD (ACMS decarboxylase; EC 4.1.1.45) can divert ACMS to a benign catabolite and thus prevent the accumulation of quinolinate from ACMS.[supplied by OMIM]
Other Designations	2-amino-3-carboxymuconate-6-semialdehyde decarboxylase OTTHUMP00000162500

Pathway

- [Metabolic pathways](#)
- [Tryptophan metabolism](#)