AADAT mouse monoclonal antibody (hybridoma)

Catalog # H00051166-M Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant AADAT.
Immunogen	AADAT (AAH31068.1, 1 a.a. ~ 429 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MNYARFITAASAARNPSPIRTMSEKRADILSRGPKSMISLAGGLPNPNMFPFKTAVITVENGKTIQF GEEMMKRALQYSPSAGIPELLSWLKQLQIKLHNPPTIHYQPSQGQMDLCVTSGSQQGLCKVFEMII NPGDNVLLDEPAYSGTLQSLHPLGCNIINVASDESGIVPDSLRDILSRWKPEDAKNPQKNTPKFLY TVPNGNNPTGNSLTSERKKEIYELARKYDFLIIEDDPYYFLQFNKFRVPTFLSMDVDGRVIRADSFS KIISSGLRIGFLTGPKPLIERVILHIQVSTLHPSTFNQLMISQLLHEWGEEGFMAHVDRVIDFYSNQKD AILAAADKWLTGLAEWHVPAAGMFLWIKVKGINDVKELIEEKAVKMGVLMLPGNAFYVDSSAPSP YLRASFSSASPEQMDVAFQVLAQLIKESL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (72); Rat (71)
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 — AADAT

Entrez GeneID	51166
GeneBank Accession#	BC031068.1
Protein Accession#	AAH31068.1
Gene Name	AADAT
Gene Alias	KAT2, KATII
Gene Description	aminoadipate aminotransferase
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that is highly similar to mouse and rat kynurenine aminotransferase II . The rat protein is a homodimer with two transaminase activities. One activity is the transaminatio n of alpha-aminoadipic acid, a final step in the saccaropine pathway which is the major pathway f or L-lysine catabolism. The other activity involves the transamination of kynurenine to produce kyn urenine acid, the precursor of kynurenic acid which has neuroprotective properties. Two alternativ e transcripts encoding the same isoform have been identified, however, additional alternative tran scripts and isoforms may exist. [provided by RefSeq
Other Designations	L kynurenine/alpha aminoadipate aminotransferase|L-kynurenine/alpha-aminoadipate aminotrans ferase|alpha-aminoadipate aminotransferase|kynurenine aminotransferase II

Pathway

- Lysine biosynthesis
- Lysine degradation
- Metabolic pathways
- Tryptophan metabolism