AADAT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AADAT, Polyclonal Antibody
Full Product Name	Rabbit Anti AADAT Polyclonal Affinity Purified (PBS with 0.02% sodium azide, 50% glycerol, pH7.3)(Western Blot)
Product Gene Name	anti-AADAT antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	It is a polyclonal antibody in a liquid format, buffered in PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	47,822 Da
3D Structure	ModBase 3D Structure for Q8N5Z0
Immunogen	Recombinant fusion protein of human AADAT (NP_001273611.1).
Applications Tested/Suitable for anti-AADAT antibody	Western Blot (WB)
Related Product Information for anti-AADAT antibody	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 transamination of alpha-aminoadipic acid, a final step in the saccaropine pathway which is the major pathway for L-lysine catabolism. The other activity involves the transamination of kynurenine to produce kynurenine acid, the precursor of kynurenic acid which has neuroprotective properties. Several transcript variants encoding two different isoforms have been found for this gene. This product can be used in analytical tools such as Western Blot.
Other Notes	Small volumes of anti-AADAT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AADAT purchase	MBS8422091 is an antibody targeting AADAT. Also known as Rabbit Anti AADAT Polyclonal Affinity Purified (PBS with 0.02% sodium azide, 50% glycerol, pH7.3)(Western Blot). Reactive in Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AADAT. It may not necessarily be applicable to this product.

NCBI GI #	557878723
NCBI GeneID	51166
NCBI Accession #	NP_001273611.1
UniProt Primary Accession #	Q8N5Z0
UniProt Secondary Accession #	Q9UL02; B3KP84
UniProt Related Accession #	Q8N5Z0
GenBank Nucleotide #	NM_001286682.1

NCBI Official Full Name	kynurenine/alpha-aminoadipate aminotransferase, mitochondrial isoform a
NCBI Official Synonym Full Names	aminoadipate aminotransferase
NCBI Official Symbol	AADAT
NCBI Official Synonym Symbols	KAT2; KATII; KYAT2
Protein Family	Kynurenine/alpha-aminoadipate aminotransferase
NCBI Protein Information	kynurenine/alpha-aminoadipate aminotransferase, mitochondrial
NCBI Summary for AADAT	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 transamination of alpha-aminoadipic acid, a final step in the saccaropine pathway which is the major pathway for L-lysine catabolism. The other activity involves the transamination of kynurenine to produce kynurenine acid, the precursor of kynurenic acid which has neuroprotective properties. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]
Research Articles on AADAT	**1.** he optimised method of protein production provides a fast and reliable technique to generate large quantities of active human KAT2 suitable for future small-molecule lead compound screening and structural design work.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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