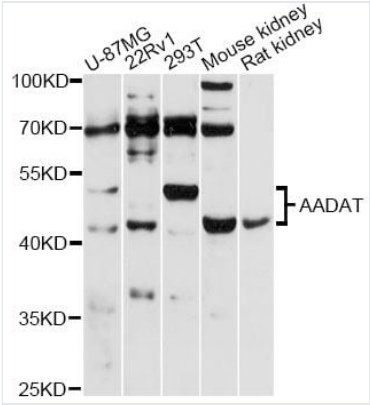
AADAT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AADAT, Polyclonal Antibody
Full Product Name	AADAT Polyclonal Antibody
Product Gene Name	anti-AADAT antibody
Product Synonym Names	KAT2; KATII; KYAT2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated: 47kDa Observed: 47kDa
OMIM	AF097994 mRNA
3D Structure	ModBase 3D Structure for Q8N5Z0
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 34-429 of human AADAT (NP_001273611.1).
Product Categories/Family for anti-AADAT antibody	Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-AADAT antibody	Western Blot (WB)
Application Notes for anti-AADAT antibody	WB: 1:1000 - 1:2000
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.
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	MBS9133138 is an antibody targeting AADAT. Also known as AADAT Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-AADAT antibody
Western blot analysis of extracts of various cell lines, using AADAT antibody at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

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
UniProt Protein Name	Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial
UniProt Synonym Protein Names	2-aminoadipate aminotransferase; 2-aminoadipate transaminase (EC:2.6.1.39); Alpha-aminoadipate aminotransferase; AadAT; Kynurenine aminotransferase II; Kynurenine--oxoglutarate aminotransferase II; Kynurenine--oxoglutarate transaminase 2 (EC:2.6.1.7); Kynurenine--oxoglutarate transaminase II
Protein Family	Kynurenine/alpha-aminoadipate aminotransferase
UniProt Gene Name	AADAT
UniProt Synonym Gene Names	KAT2; KAT/AadAT; AadAT
NCBI Protein Information	kynurenine/alpha-aminoadipate aminotransferase, mitochondrial
UniProt Comments for AADAT	Transaminase with broad substrate specificity. Has transaminase activity towards aminoadipate, kynurenine, methionine and glutamate. Shows activity also towards tryptophan, aspartate and hydroxykynurenine. Accepts a variety of oxo-acids as amino-group acceptors, with a preference for 2-oxoglutarate, 2-oxocaproic acid, phenylpyruvate and alpha-oxo-gamma-methiol butyric acid. Can also use glyoxylate as amino-group acceptor (in vitro).
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/aadat/9133138