

Human Kynurenine/alpha-Aminoadipate Aminotransferase, Mitochondrial (AADAT) ELISA Kit | AADAT elisa kit

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CATALOG # AAA331038	REACTIVITY Human
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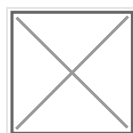
PRODUCT SYNONYMS

Kynurenine/alpha-Aminoadipate Aminotransferase; Mitochondrial (AADAT); Human Kynurenine/alpha-Aminoadipate Aminotransferase; Mitochondrial (AADAT) ELISA Kit; KAT2; KATII; L kynurenine/alpha aminoadipate aminotransferase; kynurenine aminotransferase; AADAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial (AADAT) ELISA Kit has high sensitivity and excellent specificity for detection of Human AADAT. No significant cross-reactivity or interference between Human AADAT and analogues was observed.
Sequence Length	425
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial (AADAT) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for AADAT elisa kit	Description: This Human Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial (AADAT) ELISA Kit employs a two-site sandwich ELISA to quantitate AADAT in samples. An antibody specific for AADAT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AADAT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AADAT is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of AADAT bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Aminoadipate Aminotransferase 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. Two alternative transcripts encoding the same isoform have been identified, however, additional alternative transcripts and isoforms may exist. Higher expression in the liver. Also found in heart, brain, kidney, pancreas, prostate, testis and ovary.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7705897
NCBI GeneID	51166
NCBI Accession #	NP_057312.1
NCBI GenBank Nucleotide #	NP_057312.1
UniProt Accession #	Q8N5Z0
NCBI Official Full Name	kynurenine/alpha-aminoadipate aminotransferase, mitochondrial isoform b
NCBI Official Synonym Full Names	aminoadipate aminotransferase
NCBI Official Symbol	AADAT
NCBI Official Synonym Symbols	KAT2; KATII; KYAT2
NCBI Protein Information	kynurenine/alpha-aminoadipate aminotransferase, mitochondrial
UniProt Protein Name	Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial
UniProt Gene Name	AADAT
UniProt Synonym Gene Names	KAT2; KAT/AadAT; AadAT
UniProt Entry Name	AADAT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.