

Rabbit AADAT Polyclonal Antibody | anti-AADAT antibody

AADAT antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199274	Rabbit	HumanPredicted: Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

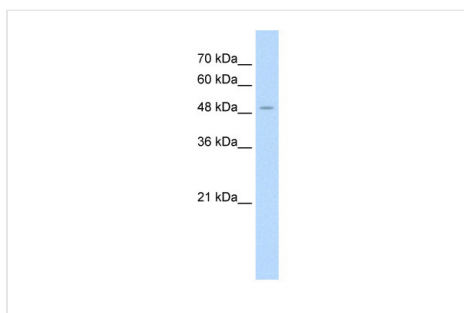
PRODUCT SYNONYMS

AADAT; Polyclonal Antibody; AADAT antibody - N-terminal region; anti-AADAT antibody

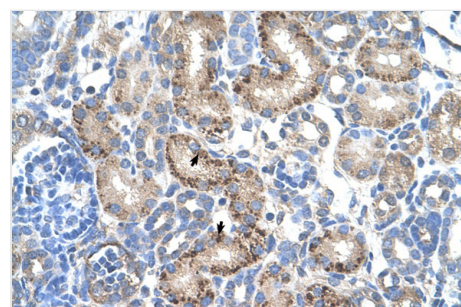
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted: Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: AV ITVENGKTIQ FGEEMMKRAL QYSPSAGIPE LLSWLKQLQI KLHNPTI
Sequence Length	425
Applicable Applications for anti-AADAT antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 93%; Horse: 86%; Human: 100%; Mouse: 93%; Pig: 79%; Rabbit: 100%; Rat: 85%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human AADAT
Protein Size	425 amino acids
Preparation and Storage	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-AADAT Antibody Titration: 1.25ug/mlPositive Control: HepG2 cell lysate


IHC (Immunohistochemistry)

Human kidney

ADDITIONAL INFORMATION

Related Product Information for anti-AADAT antibody	This is a rabbit polyclonal antibody against AADAT. It was validated on Western Blot and immunohistochemistry Target Description: AADAT is 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. 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. Two alternative transcripts encoding the same isoform have been identified, however, additional alternative transcripts and isoforms may exist.
Product Categories/Family for anti-AADAT antibody	Polyclonal; Drugs and Drug Metabolism; Signal Transduction; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705897
NCBI GeneID	51166
NCBI Accession #	NP_057312
NCBI GenBank Nucleotide #	NM_016228
UniProt Accession #	Q8N5Z0
Molecular Weight	47kDa
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.