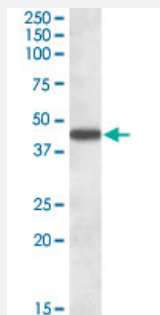


AADAT polyclonal antibody

Catalog # PAB18675 Size 100 ug

Applications



Western Blot (Tissue lysate)

AADAT polyclonal antibody (Cat # PAB18675) (1 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of AADAT.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human AADAT.
Sequence	C-KPEDAKNPQKNTPK
Host	Goat
Theoretical MW (kDa)	45
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

AADAT polyclonal antibody (Cat # PAB18675) (1 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — AADAT

Entrez GeneID[51166](#)**Protein Accession#**[NP_057312.1;NP_872603.1](#)**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 transamination of alpha-aminoadipic acid, a final step in the saccharopine 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. [provided by RefSeq]

Other Designations

L kynurenine/alpha aminoadipate aminotransferase|L-kynurenine/alpha-aminoadipate aminotransferase|alpha-aminoadipate aminotransferase|kynurenine aminotransferase II

Pathway

- [Lysine biosynthesis](#)

- [Lysine degradation](#)
- [Metabolic pathways](#)
- [Tryptophan metabolism](#)