

Product datasheet for **AP50010PU-N**

Aminoadipate aminotransferase (AADAT) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELIS: 1/1000. Western blotting: 1/100 - 1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 203-232 amino acids from the Central region of human AADAT
Specificity:	This antibody reacts to AADAT.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	aminoadipate aminotransferase
Database Link:	Entrez Gene 51166 Human Q8N5Z0



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Background:

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-amino adipic 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.

Synonyms:

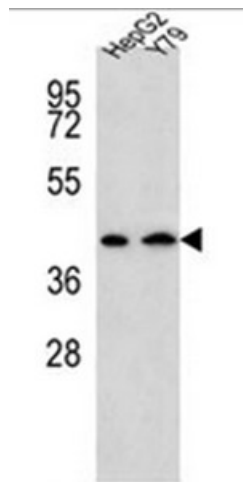
KAT2, Kynurenine aminotransferase II, Kynurenine-oxoglutarate aminotransferase II, Kynurenine-oxoglutarate transaminase II, 2-amino adipate transaminase, 2-amino adipate aminotransferase, Alpha-amino adipate aminotransferase

Note:

Molecular Weight: 47352 Da

Protein Pathways:

Lysine biosynthesis, Lysine degradation, Metabolic pathways, Tryptophan metabolism

Product images:

AADAT Antibody (Center) western blot analysis in HepG2, Y79 cell line lysates (35ug/lane). This demonstrates the AADAT antibody detected the AADAT protein (arrow)