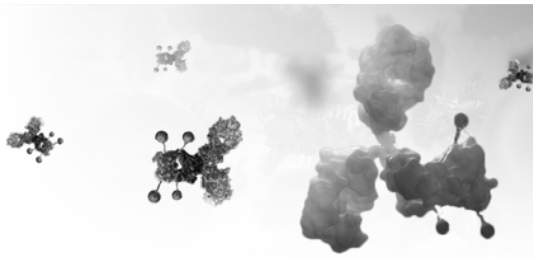

Human AADAT blocking peptide (CDBP0250)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-AADAT antibody
Antigen Description	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. [provided by RefSeq, Nov 2013]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	AADAT aminoadipate aminotransferase [Homo sapiens]
Official Symbol	AADAT
Synonyms	AADAT; aminoadipate aminotransferase; kynurenine/alpha-aminoadipate aminotransferase,

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	mitochondrial; KAT2; KATII; kynurenine aminotransferase II; L kynurenine/alpha aminoadipate aminotransferase; KAT/AadAT; 2-aminoadipate transaminase; 2-aminoadipate aminotransferase; alpha-aminoadipate aminotransferase; kynurenine--oxoglutarate transaminase II; kynurenine--oxoglutarate aminotransferase II;
Entrez Gene ID	51166
mRNA Refseq	NM_016228
Protein Refseq	NP_057312
UniProt ID	Q8N5Z0
Chromosome Location	4q33
Pathway	Lysine biosynthesis, organism-specific biosystem; Lysine biosynthesis, conserved biosystem; Lysine catabolism, organism-specific biosystem; Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem; Lysine degradation, lysine => saccharopine =>
Function	2-aminoadipate transaminase activity; 2-aminoadipate transaminase activity; kynurenine-oxoglutarate transaminase activity; kynurenine-oxoglutarate transaminase activity; protein homodimerization activity; pyridoxal phosphate binding;

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