



# Rat AGXT blocking peptide (CDBP0336)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-AGXT (rat) antibody
<b>Antigen Description</b>	This gene encodes alanine-glyoxylate aminotransferase, which catalyzes the interconversion of L-alanine and glyoxylate to pyruvate and glycine. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. The longer transcript variant includes an upstream translation start codon and a downstream translation start codon. The upstream start codon initiates the translation of the mitochondrial enzyme precursor while the downstream start codon initiates the translation of the peroxisomal enzyme (see PMID:2332438).
<b>Species</b>	Rat
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Agxt alanine-glyoxylate aminotransferase [ Rattus norvegicus ]</a>
<b>Official Symbol</b>	AGXT
<b>Synonyms</b>	AGXT; alanine-glyoxylate aminotransferase; serine--pyruvate aminotransferase, mitochondrial;

AGT; SPT; angiotensin receptor 2; Serine-pyruvate aminotransferase; alanine--glyoxylate aminotransferase; serine:pyruvate aminotransferase SPT; serine:pyruvate/alanine:glyoxylate aminotransferase; Spat;

Entrez Gene ID	<a href="#">24792</a>
mRNA Refseq	<a href="#">NM_030656</a>
Protein Refseq	<a href="#">NP_085914</a>
Pathway	Alanine and aspartate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Glycine, serine and threonine metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, conserved biosystem; Glyoxylate and dicarboxylate metabolism, organism-specific biosystem; Glyoxylate and dicarboxylate metabolism, conserved biosystem;
Function	alanine-glyoxylate transaminase activity; alanine-glyoxylate transaminase activity; alanine-glyoxylate transaminase activity; amino acid binding; protein homodimerization activity; protein homodimerization activity; pyridoxal phosphate binding; pyridoxal