



# Human AGXT blocking peptide (CDBP0337)

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

## PRODUCT INFORMATION

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| <b>Product Overview</b>    | Blocking/Immunizing peptide for anti-AGXT/AGT antibody   |
| <b>Antigen Description</b> | This gene is expressed only in the liver and the encoded protein is localized mostly in the peroxisomes, where it is involved in glyoxylate detoxification. Mutations in this gene, some of which alter subcellular targeting, have been associated with type I primary hyperoxaluria. |
| <b>Species</b>             | Human  |
| <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

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|------------------------|--|
| <b>Gene Name</b>       | <a href="#">AGXT alanine-glyoxylate aminotransferase [ Homo sapiens ]</a>  |
| <b>Official Symbol</b> | AGXT   |
| <b>Synonyms</b>        | AGXT; alanine-glyoxylate aminotransferase; SPAT; serine--pyruvate aminotransferase; AGT; AGT1; AGXT1; glycolicaciduria; L alanine: glyoxylate aminotransferase 1; oxalosis I; PH1; primary hyperoxaluria type 1; serine:pyruvate aminotransferase; SPT; serine-pyruvate aminotransferase; alanine--glyoxylate aminotransferase; L-alanine: glyoxylate aminotransferase 1; hepatic peroxisomal alanine:glyoxylate aminotransferase; TLH6; |

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| <b>Entrez Gene ID</b>      | <a href="#">189</a>  |
| <b>mRNA Refseq</b>         | <a href="#">NM_000030</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_000021</a>  |
| <b>UniProt ID</b>          | P21549   |
| <b>Chromosome Location</b> | 2q37.3   |
| <b>Pathway</b>             | 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; |
| <b>Function</b>            | alanine-glyoxylate transaminase activity; alanine-glyoxylate transaminase activity; amino acid binding; protein binding; protein homodimerization activity; pyridoxal phosphate binding; serine-pyruvate transaminase activity; transferase activity;  |