

**AGXT Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6500b****Specification**

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**AGXT Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P21549](#)**AGXT Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 189**Other Names**

Serine--pyruvate aminotransferase, SPT, Alanine--glyoxylate aminotransferase, AGT, AGXT, AGT1, SPAT

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6500b](/products/AP6500b) was selected from the C-term region of human AGXT. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**AGXT Antibody (C-term) Blocking Peptide - Protein Information****Name** AGXT ([HGNC:341](#))**Synonyms** AGT1, SPAT**Function**

Peroxisomal aminotransferase that catalyzes the transamination of glyoxylate to glycine and contributes to the glyoxylate detoxification (PubMed: [10960483](http://www.uniprot.org/citations/10960483), PubMed: [12777626](http://www.uniprot.org/citations/12777626), PubMed: [23229545](http://www.uniprot.org/citations/23229545), PubMed: [24055001](http://www.uniprot.org/citations/24055001), PubMed: [26149463](http://www.uniprot.org/citations/26149463)). Also catalyzes the transamination between L-serine and pyruvate and contributes to gluconeogenesis from the L-serine metabolism (PubMed: [10347152](http://www.uniprot.org/citations/10347152))

target="\_blank">10347152</a>).

**Cellular Location**

Peroxisome

**Tissue Location**

Liver.

**AGXT Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**AGXT Antibody (C-term) Blocking Peptide - Images****AGXT Antibody (C-term) Blocking Peptide - Background**

AGXT is expressed only in the liver and protein is localized mostly in the peroxisomes, where it is involved in glyoxylate detoxification.

**AGXT Antibody (C-term) Blocking Peptide - References**

Cellini,B., J. Biol. Chem. 284 (13), 8349-8358 (2009) Bertoldi,M., Biochim. Biophys. Acta 1784 (9), 1356-1362 (2008)