

AGXT Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP6500b

Specification

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).

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)