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AGXT Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP6500c

Specification

AGXT Antibody (Center) Blocking Peptide - Product Information

Primary Accession P21549

AGXT Antibody (Center) 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 AP6500c was selected from the Center 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 (Center) 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, PubMed:12777626, PubMed:23229545, PubMed:24055001, PubMed:26149463). Also catalyzes the transamination between L-serine and pyruvate and contributes to gluconeogenesis from the L-serine metabolism (PubMed:<a href="http://www.uniprot.org/citations/10347152"

target="_blank">10347152).

Cellular Location
Peroxisome

Tissue Location
Liver.

AGXT Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

AGXT Antibody (Center) Blocking Peptide - Images

AGXT Antibody (Center) 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 (Center) Blocking Peptide - References

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