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AMT Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6739a

Specification

AMT Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P48728

AMT Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 275

Other Names
Aminomethyltransferase, mitochondrial, Glycine cleavage system T protein, GCVT, AMT, GCST

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6739a was selected from the N-term region of human AMT. 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.

AMT Antibody (N-term) Blocking Peptide - Protein Information

Name AMT (HGNC:473)

Function
The glycine cleavage system catalyzes the degradation of glycine.

Cellular Location
Mitochondrion.

AMT Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

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AMT Antibody (N-term) Blocking Peptide - Images

AMT Antibody (N-term) Blocking Peptide - Background

The enzyme system for cleavage of glycine (glycine cleavage system; EC 2.1.2.10), which is confined to the mitochondria, is composed of 4 protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase; MIM 238300), H protein (a lipoic acid-containing protein; MIM 238330), T protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase; MIM 238331). Glycine encephalopathy (GCE; MIM 605899) may be due to a defect in any one of these enzymes.

AMT Antibody (N-term) Blocking Peptide - References

Nanao,K., Genomics 19 (1), 27-30 (1994)