

GCSH Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP16949a

Specification

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

Primary Accession

P23434

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

Gene ID 2653

Other Names

Glycine cleavage system H protein, mitochondrial, Lipoic acid-containing protein, GCSH

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.

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

Name GCSH (HGNC:4208)

Function

The glycine cleavage system catalyzes the degradation of glycine. The H protein (GCSH) shuttles the methylamine group of glycine from the P protein (GLDC) to the T protein (GCST). Has a pivotal role in the lipoylation of enzymes involved in cellular energetics such as the mitochondrial dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex (DLAT), and the mitochondrial dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex (DLST) (PubMed:36190515).

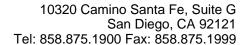
Cellular Location

Mitochondrion.

GCSH Antibody (N-term) Blocking Peptide - Protocols

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

Blocking Peptides





GCSH Antibody (N-term) Blocking Peptide - Images GCSH Antibody (N-term) Blocking Peptide - Background

The glycine cleavage system catalyzes the degradation of glycine. The H protein shuttles the methylamine group of glycine from the P protein to the T protein.