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GCSH Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16949a

Specification

GCSH Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P23434
Other Accession	Q9N121, P20821
Reactivity	**Human**
Predicted	**Bovine, Rabbit**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**18885**
Antigen Region	**27-56**

GCSH Antibody (N-term) - Additional Information

Gene ID 2653

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

Target/Specificity
This GCSH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 27-56 amino acids from the N-terminal region of human GCSH.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GCSH Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GCSH Antibody (N-term) - Protein Information

Name GCSH (HGNC:4208)

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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).

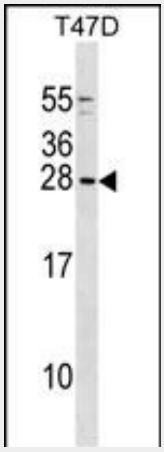
Cellular Location
Mitochondrion.

GCSH Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GCSH Antibody (N-term) - Images



GCSH Antibody (N-term) (Cat. #AP16949a) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the GCSH antibody detected the GCSH protein (arrow).

GCSH Antibody (N-term) - 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.