

Rabbit GCSH Polyclonal Antibody | anti-GCSH antibody

GCSH Rabbit Polyclonal Antibody

CATALOG # AAA313452	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

GCSH; Polyclonal Antibody; GCSH Rabbit Polyclonal Antibody; GCE; NKH; anti-GCSH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-GCSH antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human GCSH (NP_004474.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



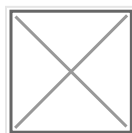
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using GCSH Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



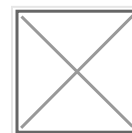
IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using GCSH Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



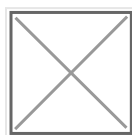
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using GCSH Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Confocal immunofluorescence analysis of U2OS cells using GCSH at dilution of 1:100 (60x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using GCSH at 1:3000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-GCSH antibody	Degradation of glycine is brought about by the glycine cleavage system, which is composed of four mitochondrial protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase), H protein (a lipoic acid-containing protein), T protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase). The protein encoded by this gene is the H protein, which transfers the methylamine group of glycine from the P protein to the T protein. Defects in this gene are a cause of nonketotic hyperglycinemia (NKH). Two transcript variants, one protein-coding and the other probably not protein-coding, have been found for this gene. Also, several transcribed and non-transcribed pseudogenes of this gene exist throughout the genome.
Product Categories/Family for anti-GCSH antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	311033385
NCBI GeneID	2653
UniProt Accession #	P23434; Q9H1E9
Molecular Weight	173
NCBI Official Full Name	Glycine cleavage system H protein, mitochondrial
NCBI Official Synonym Full Names	glycine cleavage system protein H (aminomethyl carrier)
NCBI Official Symbol	GCSH
NCBI Official Synonym Symbols	GCE; NKH
NCBI Protein Information	glycine cleavage system H protein, mitochondrial; lipoic acid-containing protein; mitochondrial glycine cleavage system H-protein
UniProt Protein Name	Glycine cleavage system H protein, mitochondrial
UniProt Gene Name	GCSH
UniProt Entry Name	GCSH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.