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## anti-GCSH antibody (AA 101-173)



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Quantity:	100 μL
Target:	GCSH
Binding Specificity:	AA 101-173
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCSH antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human GCSH
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Horse
Purification:	Purified by Protein A.

## **Target Details**

Target:	GCSH
Alternative Name:	GCSH (GCSH Products)

#### Target Details

Bac	kar	ound:

Synonyms: GCE, GCSH, GCSH\_HUMAN, Glycine cleavage system H protein, Glycine cleavage system H protein mitochondrial, Glycine cleavage system protein H aminomethyl carrier, Glycine cleavage system protein H, Lipoic acid containing protein, mitochondrial, Mitochondrial glycine cleavage system H protein, NKH.

Background: GCSH is a 173 amino acid mitochondrial protein that contains one lipoyl-binding domain and belongs to the gcvH family. Defects in the gene encoding GCSH are the cause of glycine encephalopathy (GCE), an autosomal recessive disease that is also referred to as non-ketotic hyperglycinemia (NKH). Characterized by severe neurological symptoms, patients with GCE have a large amount of glycine accumulated in their body fluids. The gene encoding GCSH maps to human chromosome 16, which encodes over 900 genes and comprises nearly 3 % of the human genome.

Gene ID:

2653

#### **Application Details**

Application Notes:	WB 1:300-5000

ELISA 1:500-1000

IHC-P 1:200-400

IHC-F 1:100-500

IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

ICC 1:100-500

Restrictions:

For Research Use only

### Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

## Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months