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GCSH (AB3583) Rabbit mAb

M2687

Key Features

Host Species
• Rabbit

Reactivity
• Human

Applications
• WB, IF/ICC, ELISA

MW
• 19 kDa (calculated)
• 15 kDa (observed)

Isotype
• IgG

Recommended Dilution Ratios

Application	Dilution
WB, IF/ICC, ELISA	WB, 1:1000-1:3000 | IF/ICC, 1:50-1:200 | ELISA, Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions	Store at-20℃. Avoid freeze / thaw cycles.
Storage buffer	The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% proclin300.

Basic Information

Clonality	Monoclonal
Clone Number	AB3583
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 49 - 173 of human GCSH.
Specificity	This antibody detects endogenous levels of GCSH protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	GCSH
Protein Name	GCSH

Database Link

Organism	Swiss Prot.	Gene ID
Human	P23434	2653

Background

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.

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