

Anti-GCSH Antibody (5C677)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5C677
Purification:	Protein A

Applications

Verified Activity:	<ol style="list-style-type: none">1. Immunochemical staining of human GCSH in human kidney with rabbit monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.2. Immunochemical staining of human GCSH in human liver with rabbit monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.
Application:	IHC-P
Recommended	IHC-P: 1:100-1:500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human GCSH Protein (TMPY-03503)
Antigen Species:	Human
Synonyms:	glycine cleavage system protein H (aminomethyl carrier);GCE;NKH

Research 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). GCSH is the H protein, which transfers the methylamine group of glycine from the P protein to the T protein. Defects in GCSH 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 GCSH gene. Also, several transcribed and non-transcribed pseudogenes of GCSH gene exist throughout the genome.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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