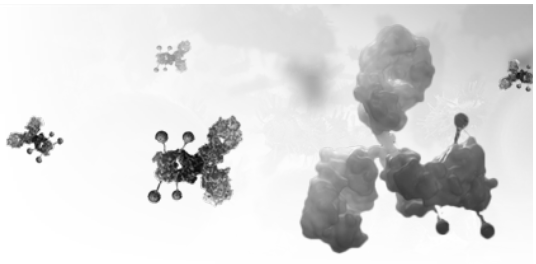

Mouse anti-Human GCSH monoclonal antibody, clone 4E9B23 (CABT-B10313)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	GCSH (AAH00790, 1 a.a. ~ 174 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4E9B23
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MALRVVRSVRALLCTLRAVPLPAAPCPPRPWQLGVGAVRTLRTGPALLSVRKFTEKHEWV TTENGIGTVGISNFAQEALGDVVYCSLPEVGTKLNKQDEFGALESVKAASELYSPLSGEV TEINEALAENPGLVNKSCYEDGWLIKMTLSNPSELDELMSEEAYEKYIKSIEE*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	Degradation of glycine is brought about by the glycine cleavage system, which is composed of

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	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.[provided by RefSeq, Jan 2010]
Keywords	GCSH; glycine cleavage system protein H (aminomethyl carrier); GCE; NKH; glycine cleavage system H protein, mitochondrial; lipoic acid-containing protein; mitochondrial glycine cleavage system H-protein;

GENE INFORMATION

Entrez Gene ID	2653
UniProt ID	P23434
Function	aminomethyltransferase activity; enzyme binding

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