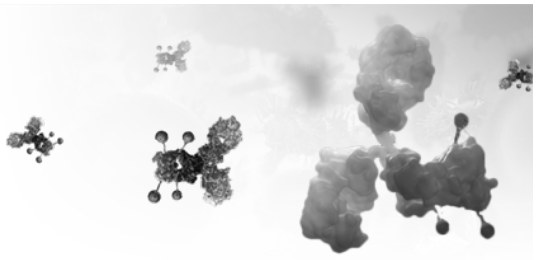

Anti-GLDC (aa 492-693) polyclonal antibody (CABT-BL1629)

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

PRODUCT INFORMATION

Immunogen	Recombinant protein fragment corresponding to a region within amino acids 492 and 693 of Human GLDC.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, ICC/IF
Cellular Localization	Mitochondrion.
Format	Liquid
Size	100 µl
Buffer	10% Glycerol, 0.1M Tris, 0.1M Glycine, pH 7.0
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

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Introduction	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 P protein, which binds to glycine and enables the methylamine group from glycine to be transferred to the T protein. Defects in this gene are a cause of nonketotic hyperglycinemia (NKH).

GENE INFORMATION

Entrez Gene ID	2731
Protein Refseq	NP_000161
UniProt ID	P23378

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