GLDC Antibody (N-term)

Catalog_no： AB2695

Reactivity： H, M

Category： 抗原抗体

Size： 100μL/50μL

Immunogen： HUMAN:49-77

Specificity： This GLDC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 49-77 amino acids from the N-terminal region of human GLDC.

Dilution： WB,1:1000;WB,1:1000;

Purification： Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Other_name： Glycine dehydrogenase (decarboxylating), mitochondrial, Glycine cleavage system P protein, Glycine decarboxylase, Glycine dehydrogenase (aminomethyl-transferring), GLDC, GCSP

Isotype： Rabbit Ig

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 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).

reference： Chang, C.Y., et al. Acta Paediatr Taiwan 49(1):35-37(2008) Kanno, J., et al. J. Med. Genet. 44 (3), E69 (2007) Kure, S., et al. Hum. Mutat. 27(4):343-352(2006)