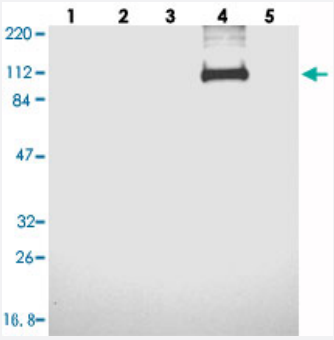
GLDC polyclonal antibody

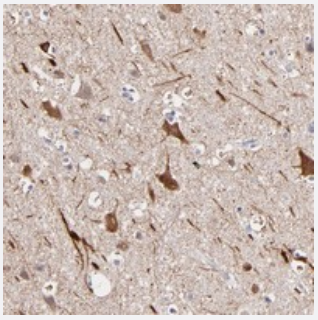
Catalog # PAB21084 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with GLDC polyclonal antibody (Cat # PAB21084).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human cerebral cortex with GLDC polyclonal antibody (Cat # PAB21084) shows strong cytoplasmic positivity in neuronal cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant GLDC.
Immunogen	Recombinant protein corresponding to amino acids of human GLDC.
Sequence	ILNANYMAKRLETHYRILFRGARGYVGHEFILDTRPFKKSANIEAVDVAKRLQDYGFHAPTMSWPV AGTLMVEPTESEDKAELDRFCDAMISIRQEIADIEEGRIDPRVNPLKMSPHSLTCVTSSHWDRPYS REVAAFPLPFVKPENK
Host	Rabbit
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

  Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with GLDC polyclonal antibody (Cat # PAB21084).

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Gene Info — GLDC

Entrez GeneID	2731
Protein Accession#	P23378
Gene Name	GLDC
Gene Alias	GCE, GCSP, HYGN1, MGC138198, MGC138200, NKH
Gene Description	glycine dehydrogenase (decarboxylating)
Omim ID	238300 605899
Gene Ontology	Hyperlink

Gene Summary	The enzyme system for cleavage of glycine (glycine cleavage system; GCS; EC 2.1.2.10), which i s confined to the mitochondria, is composed of 4 protein components: P protein (a pyridoxal phos phate-dependent glycine decarboxylase), H protein (a lipoic acid-containing protein), T protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase). Glycine encephal opathy (GCE; MIM 605899) may be due to a defect in any one of these enzymes; see MIM 23831 0, MIM 238330, and MIM 238331.[supplied by OMIM
Other Designations	OTTHUMP00000044451|glycine cleavage system protein P|glycine decarboxylase P-protein|glyc ine dehydrogenase (decarboxylating; glycine decarboxylase, glycine cleavage system protein P)

Pathway

- Glycine
- Metabolic pathways

Disease

- Hyperglycinemia