

A9933

Leader in Biomolecular Solutions for Life Science



GLDC Rabbit pAb

Catalog No.: A9933

1 Publications

Basic Information

Observed MW

113kDa

Calculated MW

113kDa

Category

Mouse Monoclonal Antibody

Applications

WB,IF/ICC,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

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 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).

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:50 - 1:100

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

2731

Swiss Prot

P23378

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 36-290 of human GLDC (NP_000161.2).

Synonyms

GCE; GCSP; HYGN1; GLDC

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

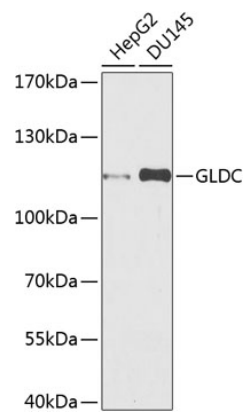
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using GLDC Rabbit pAb (A9933) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.

Immunoprecipitation analysis of 200 µg extracts of DU145 cells using 3 µg GLDC antibody (A9933). Western blot was performed from the immunoprecipitate using GLDC antibody (A9933) at a dilution of 1:1000.

