

CAB9933

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

113kDa

### Calculated MW:

112kDa

### Applications:

WB IHC IF IP

### Reactivity:

Human, Mouse, Rat

## Protein 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).

## Immunogen information

### Gene ID:

2731

### Uniprot

P23378

### Synonyms:

GLDC; GCE; GCSP; HYGN1

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50

- 1:100 IF 1:50 - 1:100 IP

1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

### Immunogen:

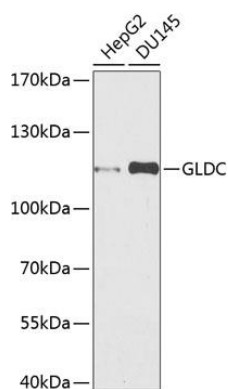
Recombinant fusion protein containing a sequence corresponding to amino acids 36-290 of human GLDC (NP\_000161.2).

### Storage:

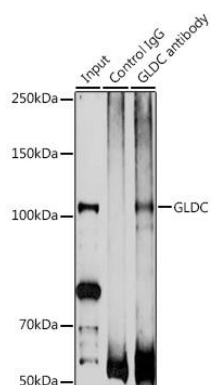
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of various cell lines, using GLDC antibody (CAB9933) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunoprecipitation analysis of 200ug extracts of DU145 cells using 3ug GLDC antibody (CAB9933). Western blot was performed from the immunoprecipitate using GLDC antibody (CAB9933) at a dilution of 1:1000.