

For Research Use Only

GLDC Polyclonal antibody

Catalog Number: 24827-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

24827-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20410

GenBank Accession Number:

BC111995

GeneID (NCBI):

2731

UNIPROT ID:

P23378

Full Name:

glycine dehydrogenase
(decarboxylating)

Calculated MW:

1020 aa, 113 kDa

Observed MW:

113 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total
protein lysate

IHC 1:100-1:400

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB: mouse liver tissue,

IP: mouse liver tissue,

IHC: human liver cancer tissue,

Background Information

GLDC (Glycine dehydrogenase [decarboxylating], mitochondrial) is also named as GCSP and belongs to the GcvP family. It induces dramatic changes in glycolysis and glycine/serine metabolism that leads to changes in pyrimidine metabolism to regulate cancer cell proliferation (PMID:22225612).

Notable Publications

Author	Pubmed ID	Journal	Application
Shengya Tian	31562192	Life Sci Alliance	WB
Teresa W M Fan	31337706	J Biol Chem	WB
Jiliang Xia	35817773	Nat Commun	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

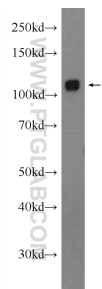
T: 4006900926

E: Proteintech-CN@ptglab.com

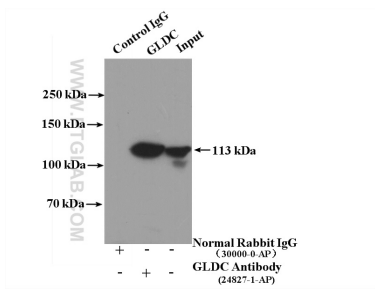
W: ptgcn.com

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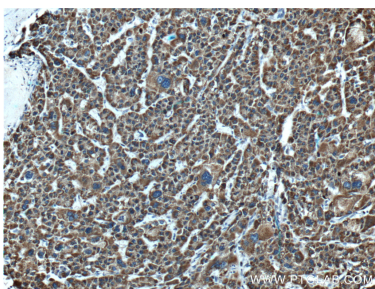
Selected Validation Data



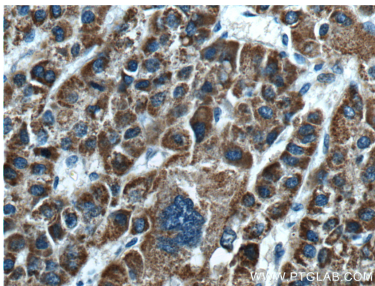
mouse liver tissue were subjected to SDS PAGE followed by western blot with 24827-1-AP (GLDC Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-GLDC (IP:24827-1-AP, 4ug; Detection:24827-1-AP 1:1000) with mouse liver tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24827-1-AP (GLDC Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24827-1-AP (GLDC Antibody) at dilution of 1:200 (under 40x lens).