

For Research Use Only

GCLC Recombinant monoclonal antibody, PBS Only

Catalog Number: 88062-1-PBS



Basic Information

Catalog Number:

88062-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3252

GenBank Accession Number:

BC022487

GeneID (NCBI):

2729

UNIPROT ID:

P48506

Full Name:

glutamate-cysteine ligase, catalytic subunit

Calculated MW:

637 aa, 73 kDa

Observed MW:

73 kDa

Purification Method:

Protein A purification

CloneNo.:

260214H7

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

Background Information

GCLC (Glutamate--cysteine ligase catalytic subunit) belongs to the glutamate--cysteine ligase type 3 family. It is also named as GLCL and GLCLC. It is the first rate-limiting enzyme in glutathione (GSH) biosynthesis. GCLC may be associated with coronary endothelial vasomotor dysfunction and myocardial infarction (MI) (PMID:12598062). Defects in GCLC are the cause of hemolytic anemia (HAGGSD).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

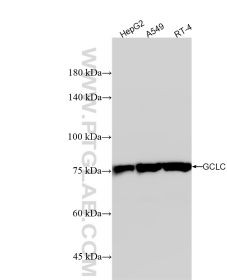
T: 4006900926

E: Proteintech-CN@ptglab.com

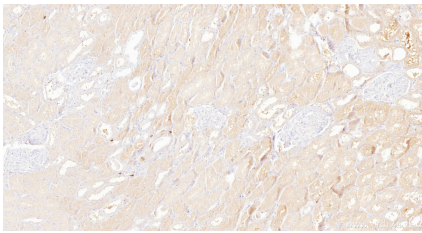
W: ptgcn.com

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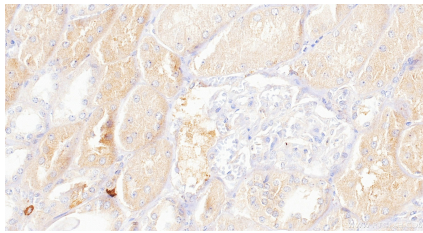
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88062-1-RR (GCLC antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88062-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 88062-1-RR (GCLC antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 88062-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 88062-1-RR (GCLC antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 88062-1-PBS in a different storage buffer formulation.