

For Research Use Only

GCLC Recombinant monoclonal antibody

Catalog Number: 88062-1-RR



Basic Information

Catalog Number: 88062-1-RR	GenBank Accession Number: BC022487	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 2729	CloneNo.: 260214H7
Source: Rabbit	UNIPROT ID: P48506	Recommended Dilutions: WB: 1:2000-1:10000 IHC: 1:500-1:2000
Isotype: IgG	Full Name: glutamate-cysteine ligase, catalytic subunit	
Immunogen Catalog Number: AG3252	Calculated MW: 637 aa, 73 kDa	
	Observed MW: 73 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : HepG2 cells, A549 cells, RT-4 cells, Jurkat cells, Raji cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human kidney tissue,

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

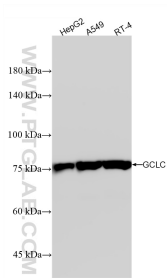
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

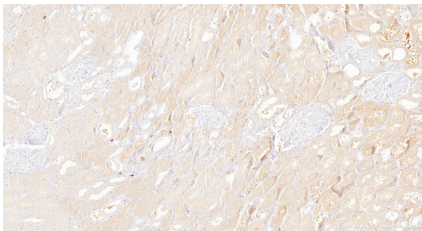
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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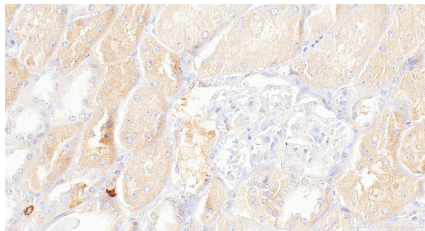
Selected Validation Data



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.



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).



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).