

For Research Use Only

GCLC Recombinant monoclonal antibody, PBS Only

Catalog Number: 88062-1-PBS



Basic Information

Catalog Number: 88062-1-PBS	GenBank Accession Number: BC022487	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2729	CloneNo.: 260214H7
Source: Rabbit	UNIPROT ID: P48506	
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, 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

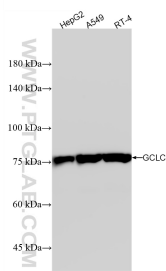
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

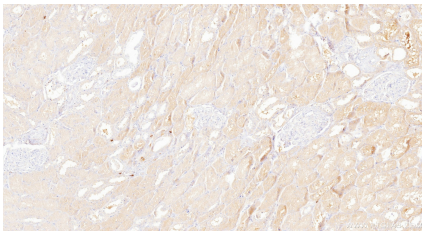
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

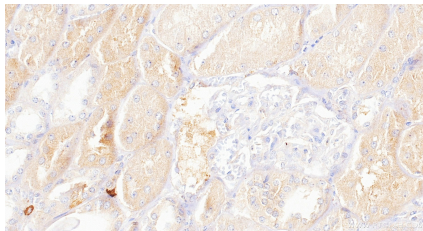
Selected Validation Data



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.