

For Research Use Only

Glycerokinase Recombinant monoclonal antibody

Catalog Number: 86604-3-RR



Basic Information

Catalog Number: 86604-3-RR	GenBank Accession Number: BC037549	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2710	CloneNo.: 251506G8
Source: Rabbit	UNIPROT ID: P32189	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: glycerol kinase	
Immunogen Catalog Number: AG4175	Calculated MW: 524 aa, 57 kDa	
	Observed MW: 50-60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, rat kidney tissue, mouse liver tissue
Species Specificity: human, mouse, rat	

Background Information

Glycerokinase, also known as glycerol kinase (GK, EC 2.7.1.30), is a widely conserved phosphotransferase that catalyzes the ATP-dependent phosphorylation of glycerol to generate sn-glycerol-3-phosphate (G3P). Glycerokinase exists as four isoforms with apparent molecular masses of 61 kDa, 57 kDa, 61 kDa, and 58 kDa.

Storage

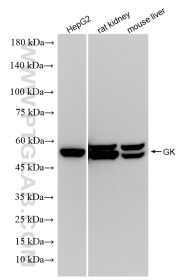
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

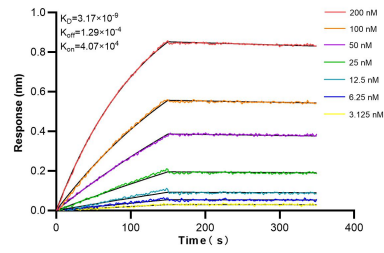
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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 86604-3-RR (GK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86604-3-RR against Human Glyceral kinase were performed. The affinity constant is 3.17 nM.