

For Research Use Only

Glycerokinase Recombinant monoclonal antibody

Catalog Number: 86604-3-RR



Basic Information

Catalog Number:

86604-3-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4175

GenBank Accession Number:

BC037549

GeneID (NCBI):

2710

UNIPROT ID:

P32189

Full Name:

glycerol kinase

Calculated MW:

524 aa, 57 kDa

Observed MW:

50-60 kDa

Purification Method:

Protein A purification

CloneNo.:

251506G8

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HepG2 cells, rat kidney tissue, mouse liver tissue

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

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

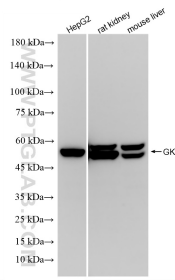
T: 4006900926

E: Proteintech-CN@ptglab.com

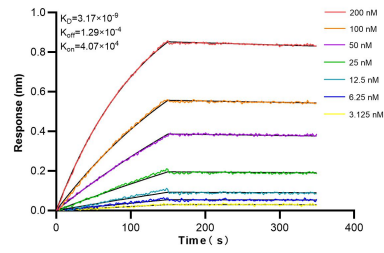
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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 Glyceraldehyde 3-phosphate kinase were performed. The affinity constant is 3.17 nM.