

For Research Use Only

PIGK Recombinant antibody

Catalog Number: 84568-3-RR



Basic Information

Catalog Number:

84568-3-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3497

GenBank Accession Number:

BC026186

GeneID (NCBI):

10026

UNIPROT ID:

Q92643

Full Name:

phosphatidylinositol glycan anchor biosynthesis, class K

Calculated MW:

45 kDa

Observed MW:

40-45 kDa

Purification Method:

Protein A purification

CloneNo.:

241989D4

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: A549 cells, K-562 cells, HeLa cells, HT-1080 cells, U-87 MG cells

Background Information

Phosphatidylinositol glycan, class K (PIGK), is a crucial member of the glycosyl-phosphatidylinositol transamidase (GPIT) protein complex that attaches a diverse group of macromolecules to the plasma membrane of eukaryotes. The human PIGK gene is involved in the key step of transferring GPI-anchor to the respective protein molecules in the plasma membrane (PMID: 22824918). Endogenous PIGK has 2 isoforms, 45 kDa and 36 kDa (PMID: 34193731).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

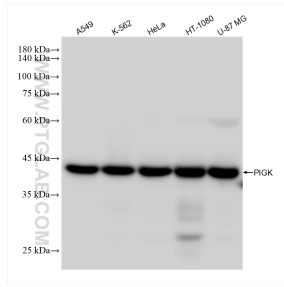
T: 4006900926

E: Proteintech-CN@ptglab.com

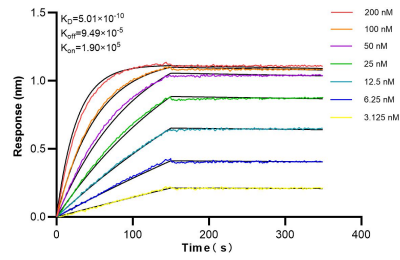
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84568-3-RR (PI3K antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84568-3-RR against Human PI3K were performed. The affinity constant is 0.501 nM.