

For Research Use Only

PGK1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87478-1-PBS



Basic Information

| | | |
|---|--|---|
| Catalog Number: 87478-1-PBS | GenBank Accession Number: BC103752 | Purification Method: Protein A purification |
| Source: Rabbit | GeneID (NCBI): 5230 | CloneNo.: 252909A5 |
| Isotype: IgG | UNIPROT ID: P00558 | |
| Immunogen Catalog Number: AG12119 | Full Name: phosphoglycerate kinase 1 | |
| | Calculated MW: 417 aa, 45 kDa | |
| | Observed MW: 40-45 kDa | |

Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

PGK1, also known as PGKA, belongs to the phosphoglycerate kinase family. PGK1 is the first ATP-generating enzyme in glycolysis, which catalyzes the conversion of 1,3-diphosphoglycerate (1,3-BPG) to 3-phosphoglycerate (3-PG) and produces one molecule of ATP. PGK1 has other functions besides regulating glycolytic metabolism, including mediating autophagy initiation, DNA replication and repair in mammal cell nuclei (PMID: 31815035, PMID: 31911580).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

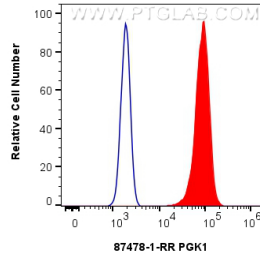
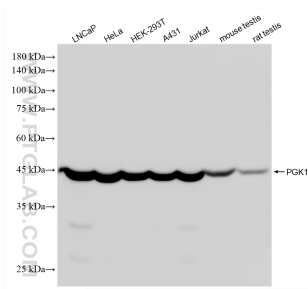
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87478-1-RR (PGK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87478-1-PBS in a different storage buffer formulation.

1×10^6 HeLa cells were intracellularly stained with 0.25 ug PGK1 Recombinant monoclonal antibody (87478-1-RR, Clone:252909A5) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). This data was developed using the same antibody clone with 87478-1-PBS in a different storage

