

For Research Use Only

# PGAM2-Specific Polyclonal antibody, PBS Only

Catalog Number: 25518-1-PBS



## Basic Information

### Catalog Number:

25518-1-PBS

### Size:

100ug, Concentration: 1 mg/ml by  
Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_000290

### GeneID (NCBI):

5224

### UNIPROT ID:

P15259

### Full Name:

phosphoglycerate mutase 2 (muscle)

### Calculated MW:

28 kDa

### Observed MW:

29 kDa

### Purification Method:

Antigen affinity purification

## Applications

### Tested Applications:

WB, Indirect ELISA

### Species Specificity:

human, mouse

## Background Information

Phosphoglycerate mutase (PGAM), an important enzyme in the glycolytic pathway, catalyzes the transfer of a phosphate group between the 2 and the 3 positions of glyceric acid. The muscle-specific isoform (type M, PGAM2) of phosphoglycerate mutase (PGAM) is a housekeeping enzyme and it catalyzes the conversion of 3-phosphoglycerate into 2-phosphoglycerate in the glycolysis process to release energy. It is encoded by the Pgam2 gene. In addition, it is demonstrated that PGAM2 locates both in cytoplasm and nuclei, and takes part in the glycometabolism process of cytoplasm and nuclei (PMID: 18499067). Defects in PGAM2 are the cause of glycogen storage disease type 10 (GSD10). This antibody is specific for PGAM2.

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS only, pH7.3

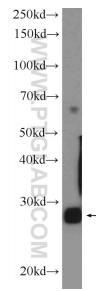
For technical support and original validation data for this product please contact:

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## Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 25518-1-AP (PGAM2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 25518-1-PBS in a different storage buffer formulation.