

For Research Use Only

PGAM2 Polyclonal antibody, PBS Only

Catalog Number:15550-1-PBS



Basic Information

Catalog Number:

15550-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7908

GenBank Accession Number:

BC001904

GeneID (NCBI):

5224

UNIPROT ID:

P15259

Full Name:

phosphoglycerate mutase 2 (muscle)

Calculated MW:

29 kDa

Observed MW:

29 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

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 may also recognize PGAM1 and PGAM4 due to the high homology.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

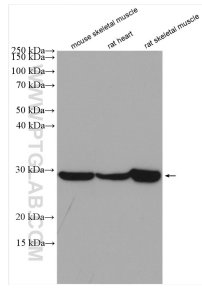
For technical support and original validation data for this product please contact:

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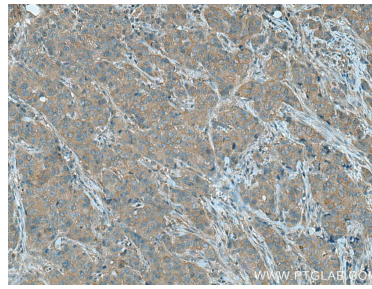
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15550-1-AP (PGAM2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15550-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15550-1-AP (PGAM2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15550-1-PBS in a different storage buffer formulation.