

Product datasheet for **AP53269PU-N**

PGAM2 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 19-49 amino acids from the N-terminal region of human PGAM2
Specificity:	This antibody recognizes Human and Mouse PGAM2 (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	phosphoglycerate mutase 2
Database Link:	Entrez Gene 56012 Mouse Entrez Gene 5224 Human P15259



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Background: Phosphoglycerate mutase (PGAM) catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. The PGAM is a dimeric enzyme containing, in different tissues, different proportions of a slow-migrating muscle (MM) isozyme, a fast-migrating brain (BB) isozyme, and a hybrid form (MB). PGAM2 encodes muscle-specific PGAM subunit. Mutations in this gene cause muscle phosphoglycerate mutase efficiency, also known as glycogen storage disease X.

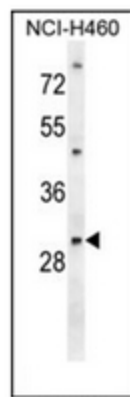
Synonyms: PGAM 2, Phosphoglycerate mutase 2, PGAMM, PGAM-M

Note: **Molecular Weight:** 28766 Da

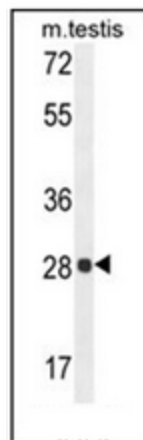
Protein Families: Druggable Genome

Protein Pathways: Glycolysis / Gluconeogenesis, Metabolic pathways

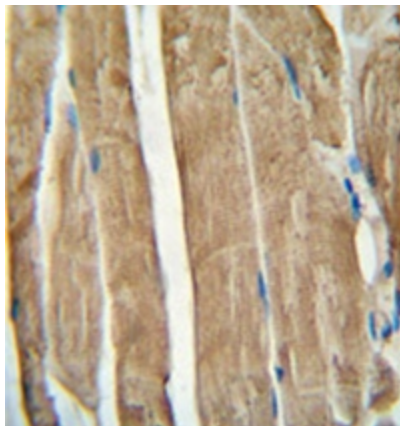
Product images:



Western blot analysis of PGAM2 Antibody (N-term) in NCI-H460 cell line lysates (35ug/lane). This demonstrates the PGAM2 antibody detected the PGAM2 protein (arrow).



Western blot analysis of PGAM2 Antibody (N-term) in mouse testis tissue lysates (35ug/lane). This demonstrates the PGAM2 antibody detected the PGAM2 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle reacted with PGAM2 Antibody (N-term), which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of the PGAM2 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.