

Datasheet for ABIN954105
anti-PGAM2 antibody (N-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	PGAM2
Binding Specificity:	AA 19-49, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PGAM2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 19-49 amino acids from the N-terminal region of human PGAM2
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse PGAM2 (N-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	PGAM2
Alternative Name:	PGAM2 (PGAM2 Products)

Target Details

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 deficiency, also known as glycogen storage disease X. Synonyms: BPG-dependent PGAM 2, Muscle-specific phosphoglycerate mutase, PGAM 2, PGAM-M, PGAMM, Phosphoglycerate mutase 2, Phosphoglycerate mutase isozyme M

Molecular Weight: 28766 Da

Gene ID: 5224

NCBI Accession: [NP_000281](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

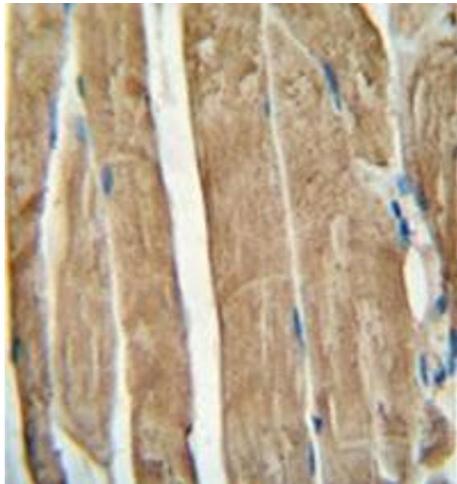
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

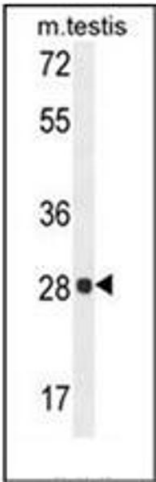
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



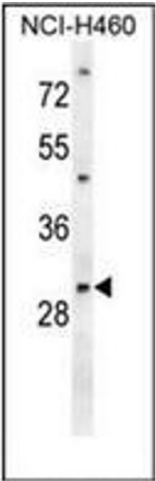
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle reacted with PGAM2 Antibody (N-term) followed 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.



Western Blotting

Image 2. 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).



Western Blotting

Image 3. 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).