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Rabbit Anti-PGAM2 (C-terminal) antibody

SL23502R

Product Name:	PGAM2 (C-terminal)
Chinese Name:	PGAM2（C端）抗体
Alias:	BPG dependent PGAM 2; BPG-dependent PGAM 2; GSD10; MGC88743; Muscle specific phosphoglycerate mutase; Muscle-specific phosphoglycerate mutase; OTTHUMP00000207787; PGAM 2; PGAM M; PGAM-M; Pgam2; PGAM2_HUMAN; PGAMM.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	29kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PGAM2:151-250/253
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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). This gene encodes muscle-specific PGAM subunit. Mutations in this gene cause muscle phosphoglycerate mutase eficiency, also known as glycogen storage disease X. [provided by RefSeq, Sep 2009]

Function:
Interconversion of 3- and 2-phosphoglycerate with 2,3-bisphosphoglycerate as the primer of the reaction. Can also catalyze the reaction of EC 5.4.2.4 (synthase) and EC 3.1.3.13 (phosphatase), but with a reduced activity.

Tissue Specificity:
In mammalian tissues there are two types of phosphoglycerate mutase isozymes: type-M in muscles and type-B in other tissues.

DISEASE:
Defects in PGAM2 are the cause of glycogen storage disease type 10 (GSD10) [MIM:261670]. A metabolic disorder characterized by myoglobinuria, increased serum creatine kinase levels, decreased phosphoglycerate mutase activity, myalgia, muscle pain, muscle cramps and excercise intolerance.

Similarity:
Belongs to the phosphoglycerate mutase family. BPG-dependent PGAM subfamily.

SWISS:
P15259

Gene ID:
5224

Database links:

Entrez Gene: 515067Cow

Entrez Gene: 5224Human

Entrez Gene: 56012Mouse

Entrez Gene: 100188980Pig

Entrez Gene: 24959Rat

Omim: 612931Human

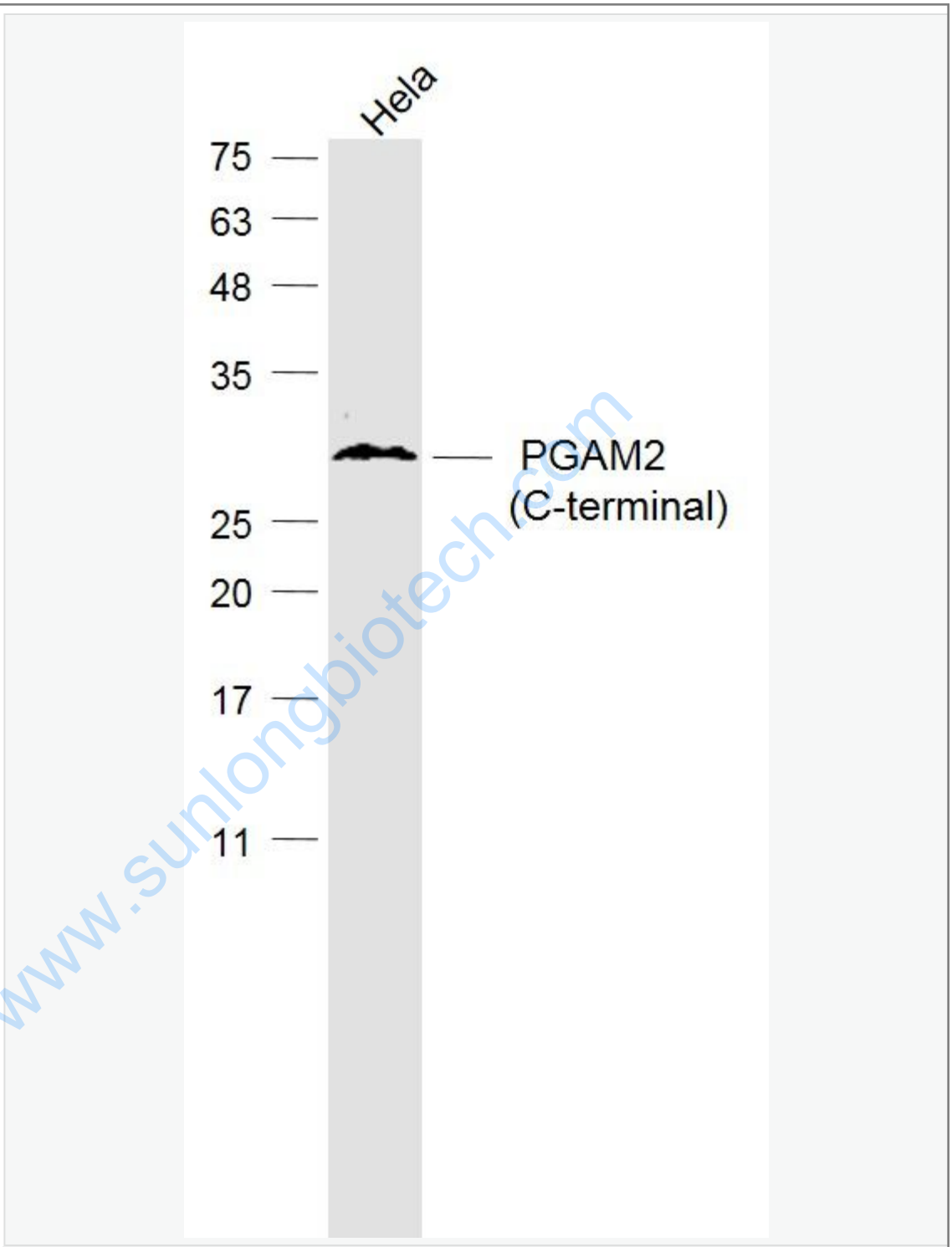
SwissProt: Q32KV0Cow

SwissProt: P15259Human

SwissProt: O70250Mouse

SwissProt: P16290Rat

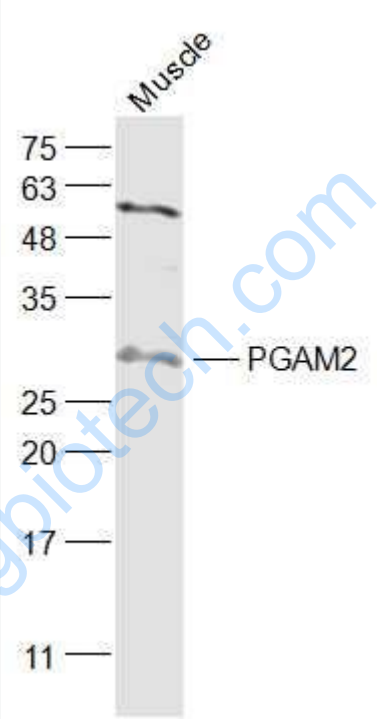
	Unigene: 23217Cow Unigene: 632642Human Unigene: 219627Mouse Unigene: 9738Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Sample: Hela(Human) Cell Lysate at 30 ug Primary: Anti-PGAM2 (C-terminal) (SL23502R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 29 kD

Observed band size: 29 kD



Sample:

Muscle (Mouse) Lysate at 40 ug

Primary: Anti-PGAM2 (SL23502R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 29 kD

Observed band size: 29 kD