

Datasheet for ABIN2856689

**anti-PGAM2 antibody**

3 Images

1 Publication

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## Overview

Quantity:	100 µL
Target:	PGAM2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PGAM2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Full length human PGAM2 Recombinant protein.
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Rabbit Polyclonal antibody to PGAM2 (phosphoglycerate mutase 2 (muscle)) PGAM2 antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	PGAM2
Alternative Name:	phosphoglycerate mutase 2 ( <a href="#">PGAM2 Products</a> )
Background:	Interconversion of 3- and 2-phosphoglycerate with 2,3-bisphosphoglycerate as the primer of the

## Target Details

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.

Molecular Weight: 29 kDa

Gene ID: 5224

UniProt: [P15259](#)

## Application Details

Application Notes: WB: 1:5000-1:20000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: rat muscle

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

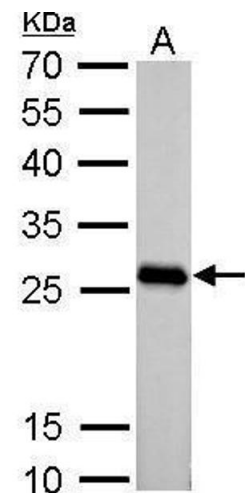
Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

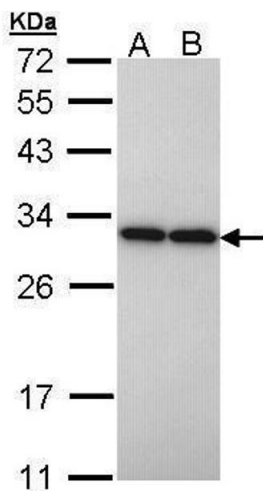
## Publications

Product cited in: Ge, Yu, Liu, Cong, Liu, Wang, Zhou, Lin: "Characterization of bone marrow-derived mesenchymal stem cells from dimethyloxallyl glycine-preconditioned mice: Evaluation of the feasibility of dimethyloxallyl glycine as a mobilization agent." in: **Molecular medicine reports**, Vol. 13, Issue 4 , pp. 3498-506, (2016) ([PubMed](#)).



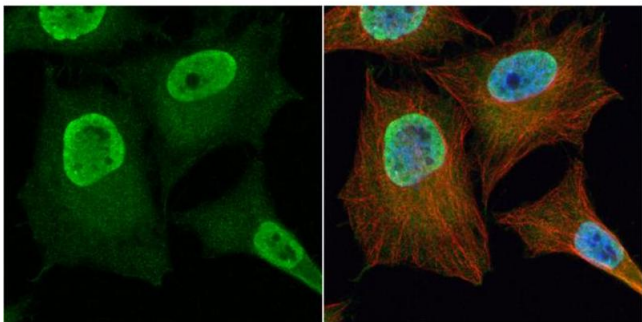
Western Blotting

**Image 1.** WB Image PGAM2 antibody detects PGAM2 protein by Western blot analysis. A. 50 µg rat muscle lysate/extract 12 % SDS-PAGE PGAM2 antibody , dilution: 1:10000



Western Blotting

**Image 2.** WB Image Sample (30 ug of whole cell lysate) A: H1299 B: Hela 12% SDS PAGE antibody diluted at 1:10000



Immunofluorescence

**Image 3.** ICC/IF Image PGAM2 antibody detects PGAM2 protein at cytoplasm and nucleus by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: PGAM2 protein stained by PGAM2 antibody , diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [B-5-1-2] , diluted at 1:10000. Blue: Hoechst 33342 staining.