

Rabbit anti-Human PGM2/phosphoglucomutase 2 Polyclonal Antibody | anti-PGM2 antibody

Anti-PGM2/phosphoglucomutase 2 Antibody, Rabbit Polyclonal

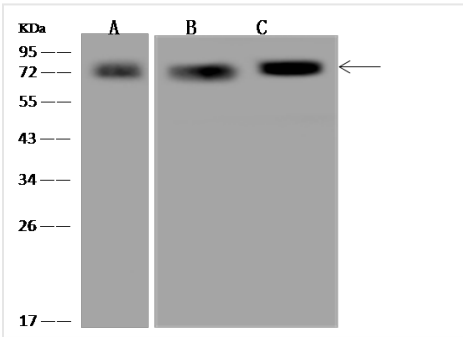
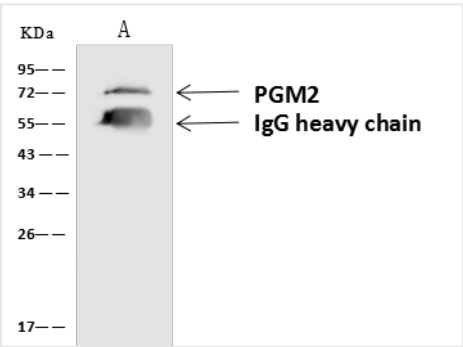
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256179	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

PGM2/phosphoglucomutase 2; Polyclonal Antibody; Anti-PGM2/phosphoglucomutase 2 Antibody; Rabbit Polyclonal; PGM2/phosphoglucomutase 2 Antibody; Rabbit PAb; Antigen Affinity Purified; phosphoglucomutase 2; Anti-MSTP006 Antibody; anti-PGM2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PGM2/phosphoglucomutase 2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PGM2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human PGM2/phosphoglucomutase 2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PGM2/phosphoglucomutase 2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
PGM2 was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate 4 uL anti-PGM2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PGM2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 68 kDa. Observed band size: 72 kDa.

WB (Western Blot)
Anti-PGM2 rabbit polyclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate. Lane B: K562 Whole Cell Lysate. Lane C: Jurkat Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 68 kDa. Observed band size: 72 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PGM2 antibody	The gene PGM2 encodes the last enzyme of the Leloir pathway, phosphoglucomutase 2 (Pgm2p), which catalyzes the reversible conversion of glucose 1-phosphate to glucose 6-phosphate. Overexpression of PGM2 has previously been shown to enhance the aerobic growth of <i>S. cerevisiae</i> in galactose medium. Overexpression of the PGM2 gene encoding phosphoglucomutase (Pgm2p) has been shown to improve galactose utilization both under aerobic and under anaerobic conditions. PGM2 overexpression in <i>S. cerevisiae</i> from an integrative plasmid is sufficient to reduce the lag phase and to enhance the growth rate in anaerobic galactose fermentation, which results in an overall decrease in fermentation duration. Deletion of PGM2 decreased cellular glucose-1-phosphate and overexpression of SNR84 increased the maltose permease activity.
References	Lin X, et al. (2015) Enhanced leavening ability of baker's yeast by overexpression of snr84 with pgm2 deletion. <i>J Ind Microbiol Biotechnol</i> 42 (6): 939-948. Garcia Sanchez R, et al. (2010) Pgm2 overexpression improves anaerobic galactose fermentation in <i>saccharomyces cerevisiae</i> . <i>Microb Cell Fact</i> 9 40. Garcia Sanchez R, et al. (2010) Cross-reactions between engineered xylose and galactose pathways in recombinant <i>saccharomyces cerevisiae</i> . <i>Biotechnol Biofuels</i> 3 19.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.