

Rabbit BPGM Polyclonal Antibody | anti-BPGM antibody

BPGM Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285408	Rabbit	Human (Predicted Reactivity: Monkey)	ELISA, Western Blot

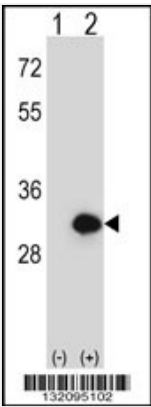
PRODUCT SYNONYMS

BPGM; Polyclonal Antibody; BPGM Antibody (C-term); Bisphosphoglycerate mutase; 3-bisphosphoglycerate mutase; erythrocyte; 3-bisphosphoglycerate synthase; 3-diphosphoglycerate mutase; DPGM; BPG-dependent PGAM; anti-BPGM antibody

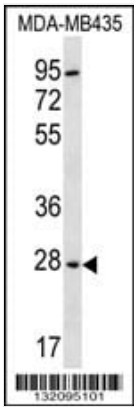
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BPGM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 230-259 amino acids from the C-terminal region of human BPGM.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	230-259
Sequence Length	259
Applicable Applications for anti-BPGM antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of BPGM (arrow) using rabbit polyclonal BPGM Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the BPGM gene.



WB (Western Blot)
BPGM Antibody (C-term) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the BPGM antibody detected the BPGM protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-BPGM antibody	2,3-diphosphoglycerate (2,3-DPG) is a small molecule found at high concentrations in red blood cells where it binds to and decreases the oxygen affinity of hemoglobin. This gene encodes a multifunctional enzyme that catalyzes 2,3-DPG synthesis via its synthetase activity, and 2,3-DPG degradation via its phosphatase activity. The enzyme also has phosphoglycerate phosphomutase activity. Deficiency of this enzyme increases the affinity of cells for oxygen. Mutations in this gene result in hemolytic anemia. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Product Categories/Family for anti-BPGM antibody	Cardiovascular; Metabolism; Signal transduction
References	Lamesch, P., et al. Genomics 89(3):307-315(2007) Wang, Y., et al. J. Biol. Chem. 281(51):39642-39648(2006) Wang, Y., et al. J. Biol. Chem. 279(37):39132-39138(2004) Fujita, T., et al. J. Biochem. 124(6):1237-1244(1998) Fujita, T., et al. J. Biochem. 124(6):1237-1244(1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502445
NCBI GeneID	669
NCBI Accession #	NP_001715.1; NP_954655.1
NCBI GenBank Nucleotide #	NM_001724.4
UniProt Accession #	P07738; A4D1N9
Molecular Weight	30005
NCBI Official Full Name	bisphosphoglycerate mutase
NCBI Official Synonym Full Names	2,3-bisphosphoglycerate mutase
NCBI Official Symbol	BPGM
NCBI Official Synonym Symbols	DPGM

NCBI Protein Information	bisphosphoglycerate mutase
UniProt Protein Name	Bisphosphoglycerate mutase
UniProt Gene Name	BPGM
UniProt Synonym Gene Names	BPGM; DPGM
UniProt Entry Name	PMGE_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/bpgm-antibody-western-blot-elisa/285408>