

Rabbit PGAM1 Polyclonal Antibody | anti-PGAM1 antibody

PGAM1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328700	Rabbit	Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus	Western Blot

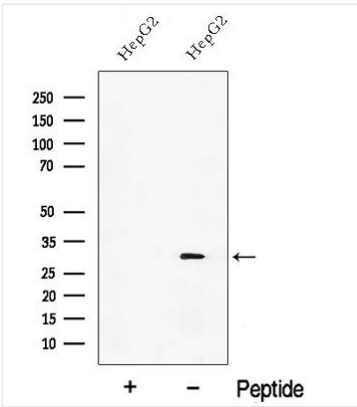
PRODUCT SYNONYMS

PGAM1; Polyclonal Antibody; PGAM1 Antibody; BPG dependent PGAM 1; BPG dependent PGAM1; BPG-dependent PGAM 1; OTTHUMP00000059414; PGAM 1; PGAM A; PGAM B; PGAM-B; PGAM1_HUMAN; PGAMA; PGAMB; Phosphoglycerate mutase 1; Phosphoglycerate mutase 1 brain; Phosphoglycerate mutase A; Phosphoglycerate mutase A nonmuscle form; Phosphoglycerate mutase isozyme B; anti-PGAM1 antibody

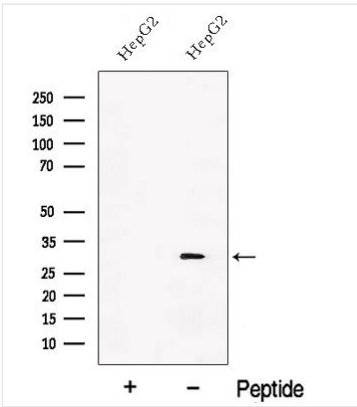
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	PGAM1 Antibody detects endogenous levels of PGAM1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	254
Applicable Applications for anti-PGAM1 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human PGAM1.
Tissue Specificity	Expressed in the liver and brain. Not found in the muscle.
Fragment	Fab Fragment
Conjugate	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using PGAM1 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from Rat brain, using PGAM1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PGAM1 antibody	Description: 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), but with a reduced activity.
	Post Translational Modifications: Acetylated at Lys-253, Lys-253 and Lys-254 under high glucose condition. Acetylation increases catalytic activity. Under glucose restriction SIRT1 levels dramatically increase and it deacetylates the enzyme.
	Subunit Structure: Homodimer.
	Similarity: Belongs to the phosphoglycerate mutase family. BPG-dependent PGAM subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	130348
NCBI GeneID	5223
UniProt Accession #	P18669
Molecular Weight	Observed: 29 kDa Predicted: 29 kDa
NCBI Official Full Name	Phosphoglycerate mutase 1
NCBI Official Synonym Full Names	phosphoglycerate mutase 1
NCBI Official Symbol	PGAM1
NCBI Official Synonym Symbols	PGAMA; PGAM-B; HEL-S-35
NCBI Protein Information	phosphoglycerate mutase 1
UniProt Protein Name	Phosphoglycerate mutase 1
UniProt Gene Name	PGAM1
UniProt Synonym Gene Names	PGAMA; PGAM-B
UniProt Entry Name	PGAM1_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.

