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**Research Use Only. Not
for diagnostic or
therapeutic use.**

Storage: Aliquot and store at
-20°C. Minimize freezing and
thawing.

Product: EB05028 – Goat anti-PGAM1 / PGAM2 / PGAM4

Target Protein

Principal Names: PGAM1; phosphoglycerate mutase 1 (brain); PGAMA; RP11-452K12.8; OTTHUMP00000059414; Phosphoglycerate mutase A, nonmuscle form; PGAM2; phosphoglycerate mutase 2 (muscle); MGC88743; PGAMM; Phosphoglycerate mutase, muscle form; PGAM3; PGAM4; phosphoglycerate mutase family member 4; PGAM-B; dJ1000K24.1; phosphoglycerate mutase family 3; phosphoglycerate mutase family 4; phosphoglycerate mutase processed protein

Official Gene Symbol: PGAM1 / PGAM2 / PGAM4

Accession Number(s): NP_002620.1; NP_000281.2; NP_001025062.1

Human Gene ID(s): 5223; 5224; 441531

Gene Ontology terms: bisphosphoglycerate mutase activity; phosphoglycerate mutase activity; glycolysis; metabolism; cytosol; hydrolase activity; isomerase activity; bisphosphoglycerate phosphatase activity

Please note this antibody is expected to recognize the products of 3 highly similar genes.

Immunogen

Peptide with sequence C-KAMEAVAAQGKAKK, from the C Terminus of the protein sequence according to NP_002620.1; NP_000281.2; NP_001025062.1

Purification

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Applications Tested

Peptide ELISA: antibody detection limit dilution >1:32,000. Western Blot: Approx 28kDa band observed in Human Liver and Brain lysates (predicted MW of 29kDa according to NP_002620). Recommended for use at 0.5-2µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog

Background Reference

Sakoda S, Shanske S, DiMauro S, Schon EA.
Isolation of a cDNA encoding the B isozyme of human phosphoglycerate mutase (PGAM) and characterization of the PGAM gene family.
J Biol Chem. 1988 Nov 15;263(32):16899-905.
PMID: 2846553



EB05028 staining (0.5 μ g/ml) of Human Liver lysate (RIPA buffer, 35 μ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.