

BPGM Antibody (C-term)

Catalog_no :	AB1068
Applications :	WB
Reactivity :	H
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN:230-259
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.
Dilution :	WB,1:2000;
Purification :	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.
Other_name :	Bisphosphoglycerate mutase, BPGM,3-bisphosphoglycerate mutase, erythrocyte,3-bisphosphoglycerate synthase,3-diphosphoglycerate mutase, DPGM, BPG-dependent PGAM, BPGM
Isotype :	Rabbit Ig
Background :	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. <u>Multiple alternatively spliced variants, encoding the same protein, have been identified.</u>
reference :	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.