Datasheet for ABIN4997569

anti-BPGM antibody (Alexa Fluor 750)

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Overview

Quantity:	100 µL
Target:	BPGM
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BPGM antibody is conjugated to Alexa Fluor 750
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human BPGM
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	BPGM
Alternative Name:	BPGM (BPGM Products)
Background:	Synonyms: 2,3-bisphosphoglycerate mutase, 2,3-bisphosphoglycerate synthase, 3-bisphosphoglycerate mutase, 3-bisphosphoglycerate synthase, 3-diphosphoglycerate mutase, Ab2 098, AI323730, AL022789, Bisphosphoglycerate mutase, BPG dependent PGAM, BPG-

Target Details

	dependent PGAM , Bpgm, BPGM, C86192, DPGM, Erythrocyte 2,3 bisphosphoglycerate mutase, PMGE_HUMAN, 2,3-bisphosphoglycerate mutase, erythrocyte, erythrocyte, 2 antibody. Background: BPGM (2,3-bisphosphoglycerate mutase) is a 259 amino acid protein that belongs to the phosphoglycerate mutase family and exists as a homodimer that plays a crucial role in the regulation of hemoglobin oxygen. Specifically, BPGM catalyzes the conversion of 3-D-glyceroyl phosphate to 2,3-bisD-glycerate (2,3-BPG), a reaction that is essential for controlling the concentration of 2,3-BPG within the cell. The gene encoding BPGM maps to human chromosome 7, which houses over 1,000 genes and comprises nearly 5 % of the human genome. Defects in some of the genes localized to chromosome 7 have been linked to Osteogenesis imperfecta, Williams-Beuren syndrome, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome. Involvement in disease:Defects in BPGM are the cause of bisphosphoglycerate mutase deficiency (BPGMD) . A disease characterized by hemolytic anemia, splenomegaly, cholelithiasis and cholecystitis.
Gene ID:	669

Application Details

Application Notes:	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months