

bs-9519R**[Primary Antibody]****BPGM Rabbit pAb****Bioss**
ANTIBODIES

www.bioss.com.cn

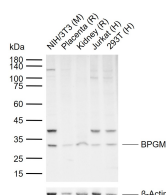
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

DATASHEET

Host: Rabbit Clonality: Polyclonal GeneID: 669 Target: BPGM Immunogen: KLH conjugated synthetic peptide derived from human BPGM: 101-200/259. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. 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-phospho-D-glyceroyl phosphate to 2,3-bisphospho-D-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.	Isotype: IgG SWISS: P07738	Applications: WB (1:500-2000) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Sheep, Cow) Predicted MW.: 30 kDa Subcellular Location: Secreted ,Extracellular matrix ,Cytoplasm
--	---	---

VALIDATION IMAGES

Sample: Lane 1: Mouse NIH/3T3 cell lysates Lane 2: Rat Placenta tissue lysates Lane 3: Rat Kidney tissue lysates Lane 4: Human Jurkat cell lysates Lane 5: Human 293T cell lysates Primary: Anti-BPGM (bs-9519R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 30 kDa Observed band size: 30 kDa