

BPGM Rabbit Polyclonal Antibody

Catalog No: #55358

Package Size: #55358-1 50ul #55358-2 100ul

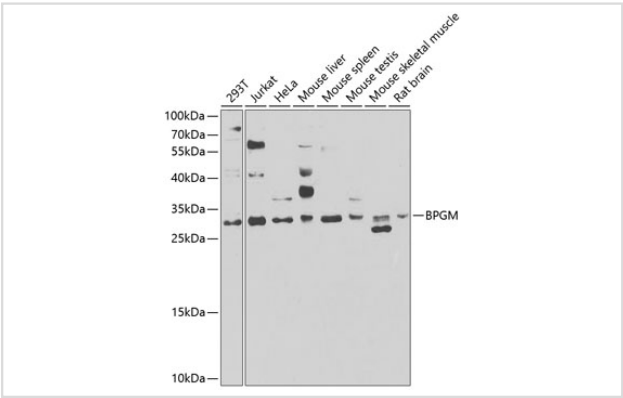
Description

Product Name	BPGM Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human BPGM (NP_001715.1).
Conjugates	Unconjugated
Other Names	BPGM;DPGM
Accession No.	Uniprot:P07738GenelD:669
Calculated MW	30kDa
SDS-PAGE MW	30kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

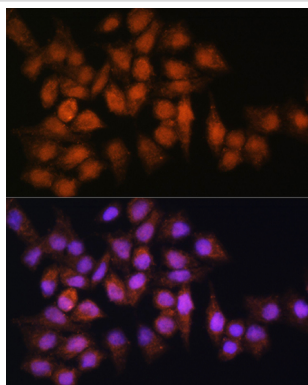
Application Details

WB 1:500 - 1:2000IF 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using BPGM antibody.



Immunofluorescence analysis of HeLa cells using BPGM Rabbit pAb.

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. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.