BPGM Antibody

Catalog No: #46351

Orders: order@signalwayantibody.com
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Description

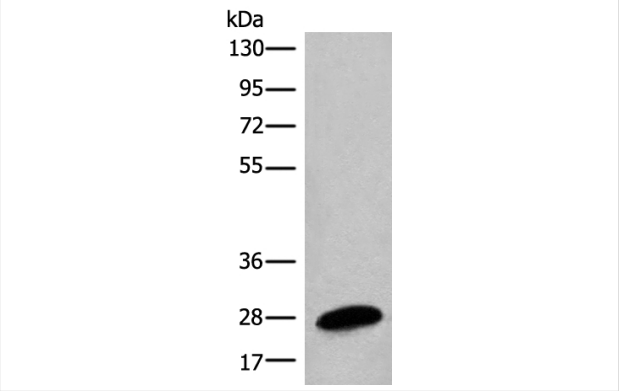
Product Name	BPGM Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total BPGM protein.
Immunogen Type	peptide
Immunogen Description	Full length fusion protein of human BPGM
Target Name	BPGM
Other Names	DPGM
Accession No.	Swiss-Prot:P07738NCBI Gene ID:669NCBI Protein:BC017050
Uniprot	P07738
GeneID	669;
Calculated MW	30 kDa
Concentration	1.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

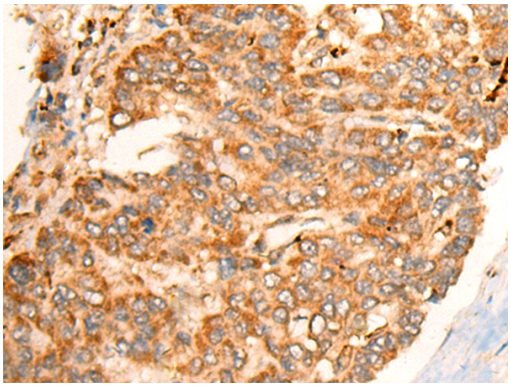
Western blotting: 1:1000-1:5000

Immunohistochemistry: 1: 50-300

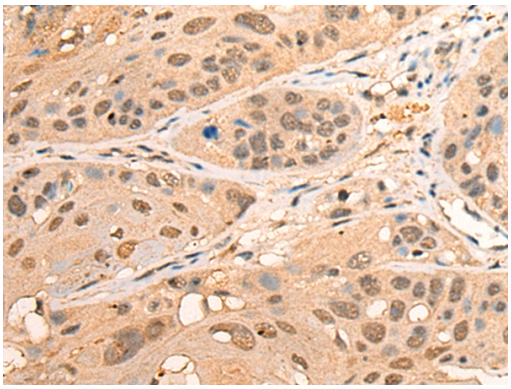
Images



Gel: 8%SDS-PAGE
lysate: 40 B¦Γ g, Lane: Human placenta tissue lysate,
Primary antibody: 46351B£B¨BPGM Antibody) at dilution 1/1350
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,
Exposure time: 30 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 46351(BPGM Antibody) at dilution 1/70, on the right is treated with fusion protein. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 46351(BPGM Antibody) at dilution 1/70, on the right is treated with fusion protein. (Original magnification: x200)

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