Elabscience®

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BPGM Polyclonal Antibody

Catalog No.	E-AB-18543	**Reactivity**	H,M
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IHC,ELISA	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.
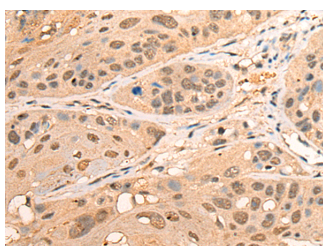
Images
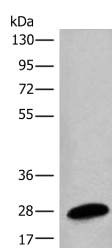
Western blot analysis of Human placenta tissue lysate using BPGM Polyclonal Antibody at dilution of 1:1350
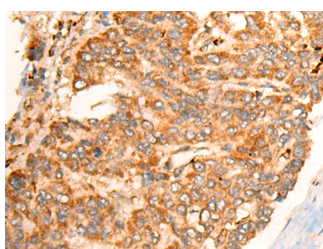
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using BPGM Polyclonal Antibody at dilution of 1:70(×200)

Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using BPGM Polyclonal Antibody at dilution of 1:70(×200)

Immunogen Information

Immunogen	Full length fusion protein
Gene Accession	BC017050
Swissprot	P07738
Synonyms	AI323730,AL022789,BPG-dependent PGAM,Bpgm,C86192,DPGM,Erythrocyte 2,PMGE

Product Information

Calculated MW	30 kDa
Observed MW	Refer to figures
Buffer	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4
Purify	Antigen affinity purification
Dilution	WB 1:1000-1:5000, IHC 1:50-1:300, ELISA 1:5000-1:10000

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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.