
Product Information

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| Product SKU: | CAB12686 | Gene ID: | 5230 | Size: | 20uL, 100uL |
| Clone No: | ARC0700 | Host Species: | Rabbit | Reactivity: | Human,Mouse,Rat |

Additional Information

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| Observed MW: | 45kDa | Conjugate: | Unconjugated |
| Calculated MW: | 45kDa | Isotype: | IgG |

Immunogen Information

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| Background: | The protein encoded by this gene is a glycolytic enzyme that catalyzes the conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate. The encoded protein may also act as a cofactor for polymerase alpha. Additionally, this protein is secreted by tumor cells where it participates in angiogenesis by functioning to reduce disulfide bonds in the serine protease, plasmin, which consequently leads to the release of the tumor blood vessel inhibitor angiostatin. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Deficiency of the enzyme is associated with a wide range of clinical phenotypes hemolytic anemia and neurological impairment. Pseudogenes of this gene have been defined on chromosomes 19, 21 and the X chromosome. |
| Recommended Dilution: | WB,1:500 - 1:1000 |
| Synonyms: | PGKA; MIG10; HEL-S-68p; PGK1 |
| Purification Method: | Affinity purification |
| Immunogen: | A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PGK1 (P00558). |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3. |