

PGK1 Rabbit Polyclonal Antibody



CAB1965

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

45kDa

Calculated MW:

41kDa/44kDa

Applications:

WB

Reactivity:

Human, Mouse

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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.

Immunogen information

Gene ID:

5230

Uniprot

P00558

Synonyms:

PGK1; HEL-S-68p; MIG10; PGKA

Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-417 of human PGK1 (NP_000282.1).

Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images
