

PGK1 Polyclonal Antibody

Catalog No.	A14039	Category	Polyclonal Antibodies
Applications	WB, IHC	Observed MW	47kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	41kDa/44kDa

Immunogen Information

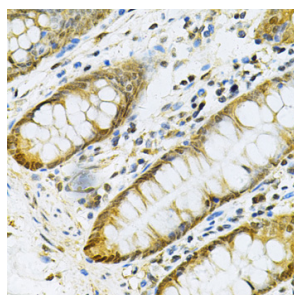
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-417 of human PGK1 (NP_000282.1).
Gene ID	5230
Swiss prot	P00558
Synonyms	PGK1; HEL-S-68p; MIG10; PGKA; phosphoglycerate kinase 1

Product information

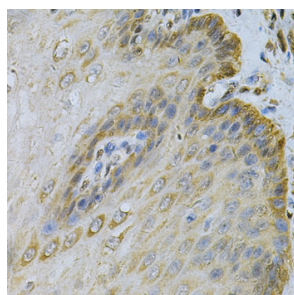
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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.



Immunohistochemistry - PGK1 Polyclonal Antibody (A14039)

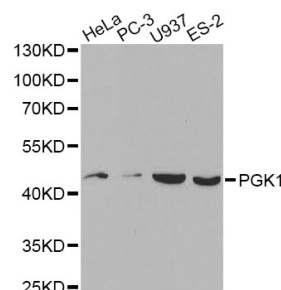


Immunohistochemistry - PGK1 Polyclonal Antibody (A14039)

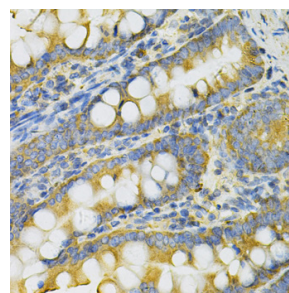
Recommended Dilutions

WB 1:500 -
1:2000

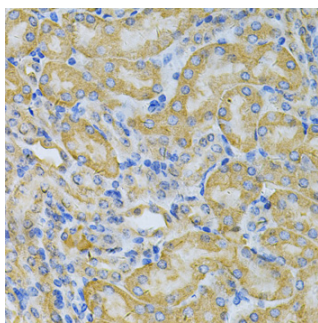
IHC 1:50 -
1:200



Western blot - PGK1 Polyclonal Antibody (A14039)



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