

## ARG40834 anti-PGK1 + PGK2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PGK1 + PGK2
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms, Hm
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PGK1 + PGK2
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 166-180 of Human PGK1. (FGTAHRAHSSMVGVN)
Conjugation	Un-conjugated
Alternate Names	EC 2.7.2.3; Primer recognition protein 2; PGKA; PRP 2; Phosphoglycerate kinase 1; MIG10; Cell migration-inducing gene 10 protein; HEL-S-68p

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

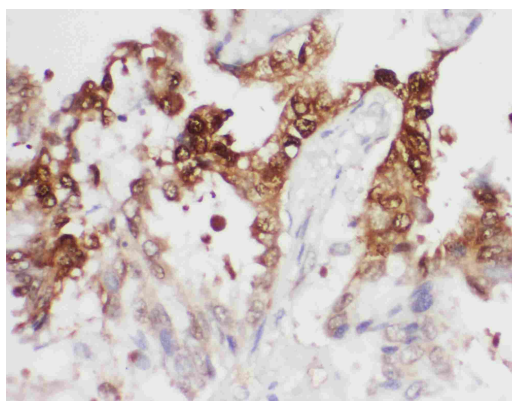
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

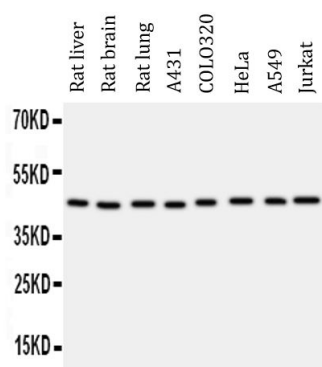
Gene Symbol	PGK1
Gene Full Name	phosphoglycerate kinase 1
Background	The protein encoded by this gene is a glycolytic enzyme that catalyzes the conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate. The encoded protein may also act as a cofactor for polymerase alpha. Additionally, this protein is 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. [provided by RefSeq, Jan 2014]
Function	In addition to its role as a glycolytic enzyme, it seems that PGK-1 acts as a polymerase alpha cofactor protein (primer recognition protein). [UniProt]
Calculated Mw	45 kDa
Cellular Localization	Cytoplasm. [UniProt]

## Images



ARG40834 anti-PGK1 + PGK2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue stained with ARG40834 anti-PGK1 + PGK2 antibody.



ARG40834 anti-PGK1 + PGK2 antibody WB image

Western blot: Rat liver, Rat brain, Rat lung, A431, COLO320, HeLa, A549 and Jurkat cell lysates stained with ARG40834 anti-PGK1 + PGK2 antibody.