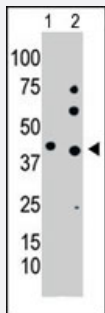


PGK1 polyclonal antibody

Catalog # PAB2618

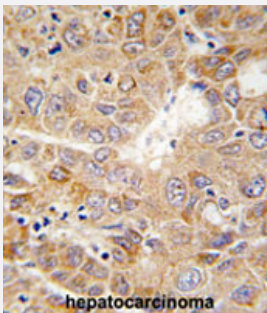
Size 400 uL

Applications



Western Blot

The PGK1 polyclonal antibody (Cat # PAB2618) is used in Western blot to detect PGK1 in mouse stomach tissue lysate (Lane 1) and HepG2 cell lysate (Lane 2).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with PGK1 polyclonal antibody (Cat # PAB2618), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PGK1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human PGK1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

The PGK1 polyclonal antibody (Cat # PAB2618) is used in Western blot to detect PGK1 in mouse stomach tissue lysate (Lane 1) and HepG2 cell lysate (Lane 2) .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — PGK1

Entrez GeneID	5230
Protein Accession#	P00558
Gene Name	PGK1
Gene Alias	MGC117307, MGC142128, MGC8947, MIG10, PGKA
Gene Description	phosphoglycerate kinase 1
Omim ID	300653 311800
Gene Ontology	Hyperlink
Gene Summary	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. This gene lies on the X-chromosome, while a related pseudogene also has been found on the X-chromosome and another on chromosome 19. [provided by RefSeq]
Other Designations	OTTHUMP00000023595 cell migration-inducing gene 10 protein primer recognition protein 2

Publication Reference

- [Parkinson's disease-associated mutations in leucine-rich repeat kinase 2 augment kinase activity.](#)

West AB, Moore DJ, Biskup S, Bugayenko A, Smith WW, Ross CA, Dawson VL, Dawson TM.

PNAS 2005 Nov; 102(46):16842.

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Carbon fixation in photosynthetic organisms](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)