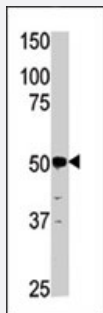


PGK2 polyclonal antibody

Catalog # PAB2727

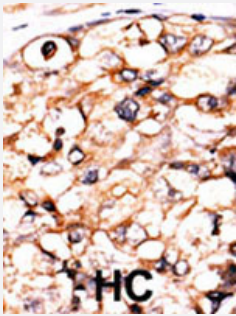
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of PGK2 polyclonal antibody (Cat # PAB2727) in HepG2 cell line lysate (35 ug/lane). PGK2 (arrow) was detected using the purified polyclonal antibody.



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with PGK2 polyclonal antibody (Cat # PAB2727), 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. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PGK2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PGK2.
Host	Rabbit
Reactivity	Human
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 (Cell lysate)

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Gene Info — PGK2

Entrez GeneID	5232
Protein Accession#	NP_620061;P07205
Gene Name	PGK2
Gene Alias	PGK-2, PGKB, PGKPS, dJ417L20.2
Gene Description	phosphoglycerate kinase 2
Omim ID	172270
Gene Ontology	Hyperlink
Gene Summary	The PGK2 gene encodes a testis-specific form of phosphoglycerate kinase (EC 2.7.2.3), which catalyzes the reversible conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate during glycolysis, generating one molecule of ATP. See also PGK1 (MIM 311800), which is ubiquitously expressed in all somatic tissues and maps to chromosome Xq13.[supplied by OMIM]
Other Designations	OTTHUMP00000016591 phosphoglycerate kinase 1, pseudogene 2 phosphoglycerate kinase autosomal pseudogene

Publication Reference

- [Multiple elements influence transcriptional regulation from the human testis-specific PGK2 promoter in transgenic mice.](#)

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J R McCarrey, M Kumari, M J Aivaliotis, Z Wang, P Zhang, F Marshall, J L Vandeberg.

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- [A centromere-based genetic map of the short arm of human chromosome 6.](#)

Blanche H, Zoghbi HY, Jabs EW, de Gouyon B, Zunec R, Dausset J, Cann HM.

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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](#)