

Rabbit PGK1 Polyclonal Antibody | anti-PGK1 antibody

PGK1 Antibody (Center S320)

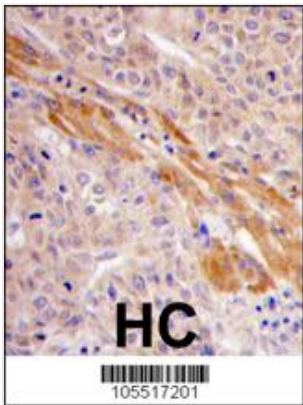
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289510	Rabbit	Human (Predicted Reactivity: Monkey)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

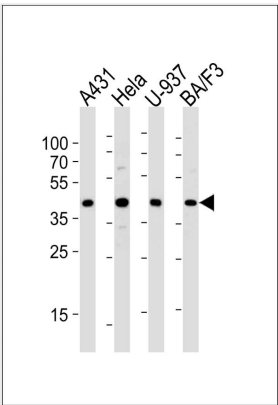
PGK1; Polyclonal Antibody; PGK1 Antibody (Center S320); Phosphoglycerate kinase 1; Cell migration-inducing gene 10 protein; Primer recognition protein 2; PRP 2; PGKA; anti-PGK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PGK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 305-334 amino acids from the Central region of human PGK1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	305-334
Sequence Length	389
Applicable Applications for anti-PGK1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PGK1 Antibody (Center S320) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of lysates from A431, HeLa, U-937, BAF3 cell line (from left to right), using PGK1 Antibody (S320). AAA289510 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-PGK1 antibody	Also known as ATP:3-phosphoglycerate 1-phosphotransferase, this major enzyme in glycolysis catalyzes the reversible conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate, generating one molecule of ATP. Phosphoglycerate kinase not only functions in glycolysis but is secreted by tumor cells and is proposed to participate in the angiogenic process as a disulfide reductase. Mutations in PGK1 may be associated with hemolytic anemia.
Product Categories/Family for anti-PGK1 antibody	Crown Antibodies; Cancer; Cardiovascular; Metabolism; Signal Transduction
References	Shetty, S., et al., Am. J. Respir. Cell Mol. Biol. 31(1):100-106 (2004). Daly, E.B., et al., Biochim. Biophys. Acta 1691(1):17-22 (2004). Daly, E.B., et al., Int. J. Biol. Markers 19(2):170-172 (2004). Saito, Y., et al., Biochem. Biophys. Res. Commun. 314(2):396-402 (2004). Krishnan, P., et al., J. Biol. Chem. 278(38):36726-36732 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505763
NCBI GeneID	5230
NCBI Accession #	NP_000282.1
NCBI GenBank Nucleotide #	NM_000291.3
UniProt Accession #	P00558; Q5J7W1; Q6IBT6; Q8NI87; A8K4W6; B7Z7A9
Molecular Weight	44615
NCBI Official Full Name	phosphoglycerate kinase 1
NCBI Official Synonym Full Names	phosphoglycerate kinase 1
NCBI Official Symbol	PGK1
NCBI Official Synonym Symbols	PGKA; MIG10; HEL-S-68p
NCBI Protein Information	phosphoglycerate kinase 1
UniProt Protein Name	Phosphoglycerate kinase 1
UniProt Gene Name	PGK1

UniProt Synonym Gene Names	PGKA; PRP 2
UniProt Entry Name	PGK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/pgk1-antibody-western-blot-immunohistochemistry-elisa/289510>