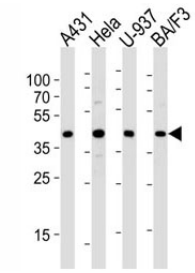
PGK1 Antibody / Phosphoglycerate kinase 1 (F40146)

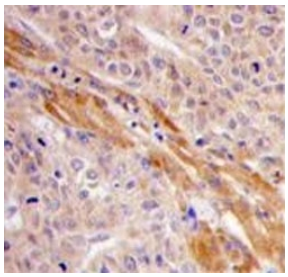
Catalog No.	Formulation	Size
F40146-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40146-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Primate
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P00558
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
Limitations	This PGK1 antibody is available for research use only.



Western blot analysis of lysate from A431, HeLa, U-937, BA/F3 cell lines using PGK1 diluted at 1:1000 for each lane. Expected/observed molecular weight ~44kDa.



IHC analysis of FFPE human hepatocarcinoma tissue stained with PGK1 antibody

Description

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.

Application Notes

Titration of the PGK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 305-334 from the human protein was used as the immunogen for this PGK1 antibody.

Storage

Aliquot the PGK1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.