PGK1 rabbit monoclonal antibody

Catalog # H00005230-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PGK1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PGK1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PGK1 peptide by ELISA and mammalian transfected lysate by We stern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — PGK1

Entrez GeneID	5230
GeneBank Accession#	PGK1
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-dipho sphoglycerate to 3-phosphoglycerate. The encoded protein may also act as a cofactor for polyme rase alpha. This gene lies on the X-chromosome, while a related pseudogene also has been foun d 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

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