

PKLR rabbit monoclonal antibody

Catalog # H00005313-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PKLR peptide using ARM Technology.
Immunogen	A synthetic peptide of human PKLR 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 PKLR peptide by ELISA and mammalian transfected lysate by Western 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 including 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 — PKLR

Entrez GeneID	5313
GeneBank Accession#	PKLR
Gene Name	PKLR
Gene Alias	PK1, PKL, PKR, PKRL, RPK
Gene Description	pyruvate kinase, liver and RBC
Omim ID	266200 609712
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a pyruvate kinase that catalyzes the transphosphorylation of phosphoenolpyruvate into pyruvate and ATP, which is the rate-limiting step of glycolysis. Defects in this enzyme, due to gene mutations or genetic variations, are the common cause of chronic hereditary nonspherocytic hemolytic anemia (CNSHA or HNSHA). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	R-type/L-type pyruvate kinase pyruvate kinase 1 pyruvate kinase isozyme R/L pyruvate kinase type L pyruvate kinase, liver and RBC type pyruvate kinase, liver and blood cell red cell/liver pyruvate kinase

Pathway

- [Glycolysis / Gluconeogenesis](#)
- [Insulin signaling pathway](#)
- [Maturity onset diabetes of the young](#)
- [Metabolic pathways](#)
- [Purine metabolism](#)
- [Pyruvate metabolism](#)
- [Type II diabetes mellitus](#)

Disease

- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Metabolism](#)
- [Obesity](#)
- [Overweight](#)