GK rabbit monoclonal antibody

Catalog # H00002710-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human GK peptide using ARM Technology.
Immunogen	A synthetic peptide of human GK 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 GK 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 — GK

Entrez GeneID	2710
GeneBank Accession#	GK
Gene Name	GK
Gene Alias	GK1, GKD
Gene Description	glycerol kinase
Omim ID	300474 307030
Gene Ontology	Hyperlink
Gene Summary	The product of this gene belongs to the FGGY kinase family of proteins and encodes glycerol kinase. Glycerol kinase is a key enzyme in the regulation of glycerol uptake and metabolism. It catalyzes the phosphorylation of glycerol by ATP, yielding ADP and glycerol-3-phosphate. Defects in this gene are the cause of glycerol kinase deficiency (GKD). Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq
Other Designations	ATP:glycerol 3-phosphotransferase|glycerokinase

Pathway

- Glycerolipid metabolism
- Metabolic pathways
- PPAR signaling pathway