PRKG1 rabbit monoclonal antibody

Catalog # H00005592-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PRKG1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PRKG1 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 PRKG1 peptide by ELISA and mammalian transfected lysate by W estern 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 — PRKG1

Entrez GeneID	5592
GeneBank Accession#	PRKG1
Gene Name	PRKG1
Gene Alias	CGKI, DKFZp686K042, FLJ36117, MGC71944, PGK, PKG, PRKG1B, PRKGR1B, cGKI-BETA, cGKI-alpha
Gene Description	protein kinase, cGMP-dependent, type I
Omim ID	176894
Gene Ontology	Hyperlink
Gene Summary	cGMP-dependent
Other Designations	OTTHUMP00000019619|OTTHUMP00000061216|protein kinase, cGMP-dependent, regulatory, type I, beta

Pathway

- Gap junction
- Long-term depression
- Olfactory transduction
- Vascular smooth muscle contraction

Disease

- Alzheimer Disease
- Attention Deficit Disorder with Hyperactivity
- Brain Ischemia
- Cardiovascular Diseases

- Cerebral Hemorrhage
- Coronary Disease
- Diabetes Mellitus
- Diseases in Twins
- Edema
- Genetic Predisposition to Disease
- Hypertension
- Intracranial Hemorrhages
- Mental Status Schedule
- Myocardial Infarction
- Obesity
- Personality Inventory
- Stroke
- Subarachnoid Hemorrhage
- Tobacco Use Disorder