

## PI4KA rabbit monoclonal antibody

Catalog # H00005297-K

Size 100 ug x up to 3

### Specification

Product Description	Rabbit monoclonal antibody raised against a human PI4KA peptide using ARM Technology.
Immunogen	A synthetic peptide of human PI4KA 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 ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PI4KA 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) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — PI4KA

Entrez GeneID	<a href="#">5297</a>
GeneBank Accession#	<a href="#">P4KA</a>
Gene Name	PI4KA
Gene Alias	FLJ16556, P4K-ALPHA, PIK4CA, pi4K230
Gene Description	phosphatidylinositol 4-kinase, catalytic, alpha
Omim ID	<a href="#">600286</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes a phosphatidylinositol (PI) 4-kinase which catalyzes the first committed step in the biosynthesis of phosphatidylinositol 4,5-bisphosphate. The mammalian PI 4-kinases have been classified into two types, II and III, based on their molecular mass, and modulation by detergent and adenosine. The protein encoded by this gene is a type III enzyme that is not inhibited by adenosine. Two transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]
Other Designations	phosphatidylinositol 4-kinase 230 phosphatidylinositol 4-kinase type 3 alpha phosphatidylinositol 4-kinase, type III, alpha

## Pathway

- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)

## Disease

- [Amphetamine-Related Disorders](#)
- [Cardiovascular Diseases](#)
- [Chromosome Deletion](#)

- [Diabetes Mellitus](#)
- [DiGeorge syndrome](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)