

# PANK4 rabbit monoclonal antibody

Catalog # H00055229-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human PANK4 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human PANK4 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human PANK4 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	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 — PANK4

Entrez GeneID [55229](#)

GeneBank Accession# [PANK4](#)

Gene Name PANK4

Gene Alias DKFZp547M242, FLJ10782

Gene Description pantothenate kinase 4

Omim ID [606162](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a protein belonging to the pantothenate kinase family. Pantothenate kinase is a key regulatory enzyme in the biosynthesis of coenzyme A (CoA) in bacteria and mammalian cells. It catalyzes the first committed step in the universal biosynthetic pathway leading to CoA and is itself subject to regulation through feedback inhibition by CoA. This family member is most abundant in muscle but is expressed in all tissues. [provided by RefSeq]

**Other Designations** OTTHUMP00000000865|pantothenic acid kinase

## Pathway

- [Metabolic pathways](#)
- [Pantothenate and CoA biosynthesis](#)

## Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)