

# PANK1 rabbit monoclonal antibody

Catalog # H00053354-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human PANK1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PANK1 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 PANK1 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 — PANK1

Entrez GeneID [53354](#)

GeneBank Accession# [PANK1](#)

Gene Name PANK1

Gene Alias MGC24596, PANK, PANK1a, PANK1b

Gene Description pantothenate kinase 1

Omim ID [606160](#)

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. Alternative splicing has been observed at this locus and three variants, each encoding a distinct isoform, have been identified. [provided by RefSeq]

**Other Designations** OTTHUMP00000020071|OTTHUMP00000020072|pantothenic acid kinase

## Pathway

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

## Disease

- [Alzheimer Disease](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)

- [Tobacco Use Disorder](#)