

For Research Use Only

# PANK1 Polyclonal antibody

Catalog Number: 11768-1-AP

Featured Product

3 Publications



## Basic Information

Catalog Number:

11768-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2324

GenBank Accession Number:

BC026296

GeneID (NCBI):

53354

UNIPROT ID:

Q8TE04

Full Name:

pantothenate kinase 1

Calculated MW:

598 aa, 64 kDa

Observed MW:

61-64 kDa, 40-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: Raji cells, SW 1990 cells, HeLa cells, human heart tissue, MCF-7 cells, HepG2 cells

## Background Information

PANK1 (Pantothenate kinase 1) is also named as PANK and belongs to the type II pantothenate kinase family. The PANK1 protein, which catalyzes the rate-limiting step of coenzyme A biosynthesis, is also upregulated by p53 (PMID:20833636). It also catalyzes the cytosolic phosphorylation of pantothenate (vitamin B5) and derivatives. This protein has 4 isoforms produced by alternative splicing with the molecular weight of 64 kDa, 42 kDa, 36 kDa and 45 kDa, respectively.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hui Tian	33786612	Mol Med Rep	WB
Yuyuan Zi	35280671	Int J Biol Sci	WB
Lu Yang	32048816	J Cell Mol Med	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

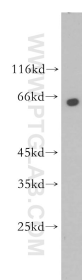
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 11768-1-AP (PANK1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.