

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:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.