

For Research Use Only

# PANK4 Polyclonal antibody

Catalog Number: 32953-1-AP



## Basic Information

Catalog Number:

32953-1-AP

Concentration:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38232

GenBank Accession Number:

NM\_018216.2

GeneID (NCBI):

55229

UNIPROT ID:

Q9NVE7

Full Name:

pantothenate kinase 4

Calculated MW:

86 kDa, 773aa

Observed MW:

86 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:3000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HEK-293 cells, HeLa cells, mouse skeletal muscle tissue, rat skeletal muscle tissue

## Background Information

PANK4 (Pantothenate Kinase 4) is a member of the pantothenate kinase family, which is involved in the biosynthesis of coenzyme A (CoA). However, unlike other members of the family, PANK4 lacks the residues required for kinase activity and instead contains a phosphatase domain (DUF89) that can dephosphorylate 4'-phosphopantetheine, an intermediate in CoA biosynthesis (PMID: 30927326). This suggests that PANK4 may act as a pseudoenzyme, regulating cellular CoA levels by antagonizing CoA production (PMID: 39746949).

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

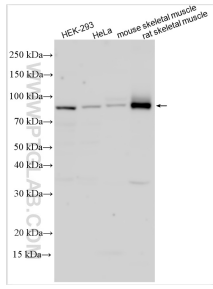
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32953-1-AP (PANK4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.