

For Research Use Only

PANK4 Polyclonal antibody, PBS Only

Catalog Number: 32953-1-PBS



Basic Information

Catalog Number:

32953-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS only, pH7.3

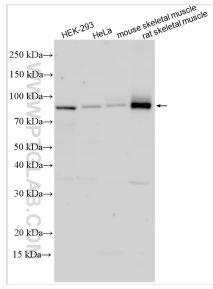
For technical support and original validation data for this product please contact:

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

E: proteintech@ptglab.com
W: ptglab.com

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

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. This data was developed using the same antibody clone with 32953-1-PBS in a different storage buffer formulation.