

For Research Use Only

PANK4 Polyclonal antibody, PBS Only

Catalog Number:32953-1-PBS



Basic Information

Catalog Number: 32953-1-PBS	GenBank Accession Number: NM_018216.2	Purification Method: Antigen affinity Purification
Concentration: 1 mg/ml	GeneID (NCBI): 55229	
Source: Rabbit	UNIPROT ID: Q9NVE7	
Isotype: IgG	Full Name: pantothenate kinase 4	
Immunogen Catalog Number: AG38232	Calculated MW: 86 kDa, 773aa	
	Observed MW: 86 kDa	

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

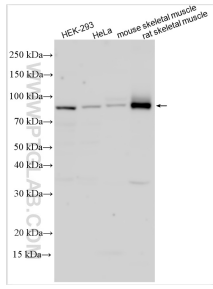
T: 4006900926

E: Proteintech-CN@ptglab.com

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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



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.