

For Research Use Only

PANK4 Polyclonal antibody

Catalog Number: 32953-1-AP



Basic Information

Catalog Number: 32953-1-AP	GenBank Accession Number: NM_018216.2	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 55229	Recommended Dilutions: WB: 1:500-1:3000
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, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, mouse skeletal muscle tissue, rat skeletal muscle tissue
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 -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

*** 20ul sizes contain 0.1% BSA

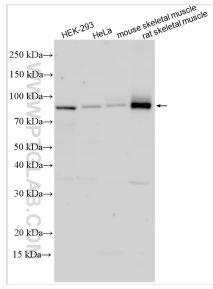
For technical support and original validation data for this product please contact:

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Selected Validation Data



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.