

For Research Use Only

NADK Polyclonal antibody

Catalog Number: 29290-1-AP



Basic Information

Catalog Number: 29290-1-AP	GenBank Accession Number: BC001709	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 65220	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: NAD kinase	
Isotype: IgG	Calculated MW: 49 kDa	
Immunogen Catalog Number: AG30982	Observed MW: 49 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, Neuro-2a cells, NIH/3T3 cells, rat kidney tissue
Species Specificity: Human, mouse, rat	

Background Information

NAD kinase (NADK) is the sole NADP⁺-biosynthetic enzyme that catalyzes phosphorylation of NAD⁺ to yield NADP⁺ using ATP as a phosphoryl donor, and thus, plays a vital role in the cell and represents a potentially powerful antimicrobial drug target (PMID:21526340). It belongs to the NAD kinase family. NADK has 3 isoforms with the molecular mass of 49, 63 and 46 kDa. The catalytically active human NADK is a homotetramer (PMID:11594753).

Storage

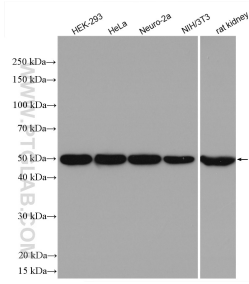
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29290-1-AP (NADK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.