

For Research Use Only

NADK Polyclonal antibody

Catalog Number: 15548-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number: 15548-1-AP	GenBank Accession Number: BC001709	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 65220	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	Full Name: NAD kinase	
Isotype: IgG	Calculated MW: 49 kDa	
Immunogen Catalog Number: AG7906	Observed MW: 49 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : NIH/3T3 cells, HeLa cells, RAW264.7
Cited Applications: CoIP, IF, IHC, WB	IHC : human kidney tissue, human testis tissue, human brain tissue, human lung tissue, human ovary tissue
Species Specificity: human, mouse, rat	IF : HeLa cells,
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaohan Jin	36243112	J Biol Chem	WB
Shih-Hsun Chen	30496552	Nucleic Acids Res	WB
Yang Zhang	33159852	Cell Metab	IF

Storage

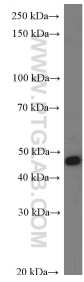
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

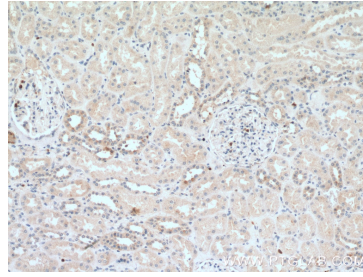
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

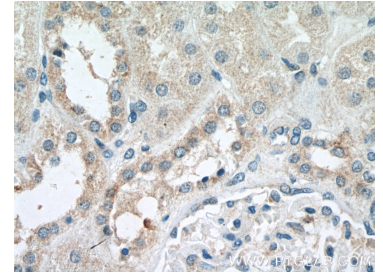
Selected Validation Data



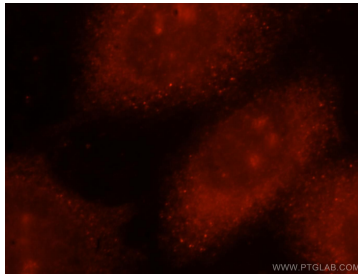
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 15548-1-AP (NADK Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 15548-1-AP (NADK antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 15548-1-AP (NADK antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using NADK antibody 15548-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).