

For Research Use Only

# NADK Polyclonal antibody

Catalog Number: 15548-1-AP

Featured Product

10 Publications



## Basic Information

<b>Catalog Number:</b> 15548-1-AP	<b>GenBank Accession Number:</b> BC001709	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 65220	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF/ICC 1:10-1:100
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O95544	
<b>Isotype:</b> IgG	<b>Full Name:</b> NAD kinase	
<b>Immunogen Catalog Number:</b> AG7906	<b>Calculated MW:</b> 49 kDa	
	<b>Observed MW:</b> 49 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Cited Applications:**  
WB, IHC, IF, CoIP

**Species Specificity:**  
human, mouse, rat

**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**

**Positive Controls:**

WB : NIH/3T3 cells, HeLa cells, RAW264.7

IHC : human kidney tissue, human testis tissue, human brain tissue, human lung tissue, human ovary tissue

IF/ICC : HeLa cells,

## Background Information

NAD kinase (NADK) is the sole NADP<sup>+</sup>-biosynthetic enzyme that catalyzes phosphorylation of NAD<sup>+</sup> to yield NADP<sup>+</sup> 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

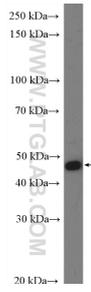
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

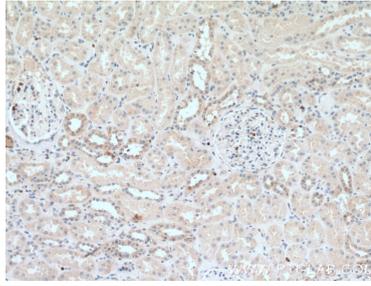
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

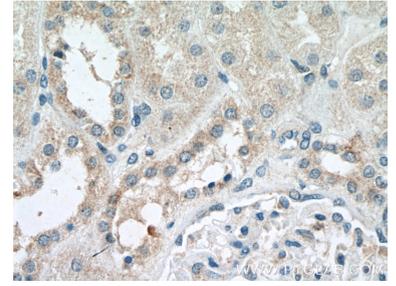
## Selected Validation Data



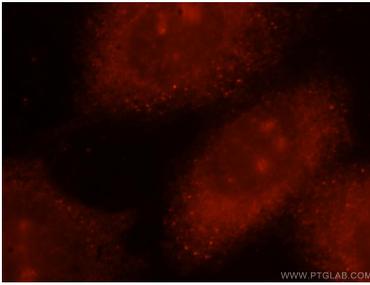
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 15548-1-AP (NADK Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).