

For Research Use Only

NADK Polyclonal antibody

Catalog Number: 15548-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

15548-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7906

GenBank Accession Number:

BC001709

GeneID (NCBI):

65220

UNIPROT ID:

O95544

Full Name:

NAD kinase

Calculated MW:

49 kDa

Observed MW:

49 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:10-1:100

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+-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

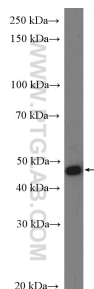
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

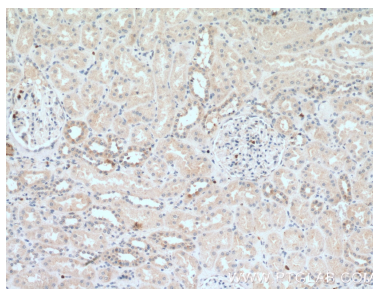
E: proteintech@ptglab.com
W: ptglab.com

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

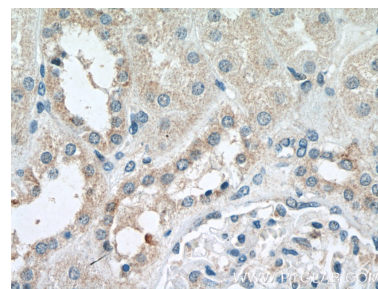
Selected Validation Data



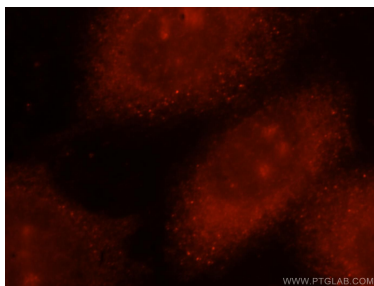
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 15548-1-AP (NADK Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).