

For Research Use Only

NADK Recombinant antibody, PBS Only

Catalog Number: 84996-1-PBS



Basic Information

Catalog Number:

84996-1-PBS

Concentration:

1 mg/ml

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:

49-52 kDa

Purification Method:

Protein A purification

CloneNo.:

242502B7

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

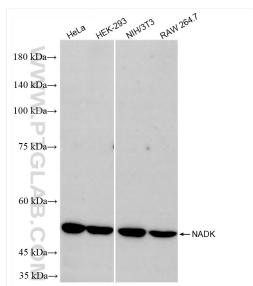
T: 4006900926

E: Proteintech-CN@ptglab.com

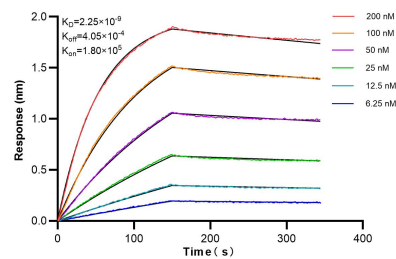
W: ptgcn.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84996-1-RR (NADK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84996-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84996-1-RR against Human NADK were performed. The affinity constant is 2.25 nM.