

For Research Use Only

NADK Recombinant antibody

Catalog Number: 84996-1-RR



Basic Information

Catalog Number:

84996-1-RR

Concentration:

1000 µg/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

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HeLa cells, HEK-293 cells, NIH/3T3 cells, RAW 264.7 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).

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

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

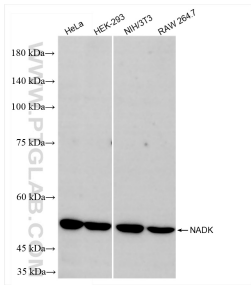
T: 4006900926

E: Proteintech-CN@ptglab.com

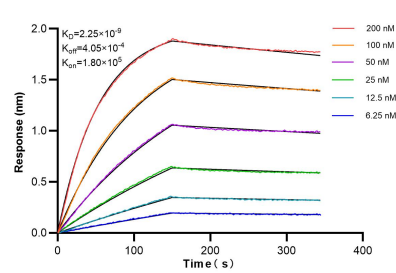
W: ptgcn.com

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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.



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