

For Research Use Only

NADK Polyclonal antibody

Catalog Number: 29290-1-AP



Basic Information

Catalog Number:

29290-1-AP

Size:

150ul , Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30982

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

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB : HEK-293 cells, Hela cells, Neuro-2a cells, NIH/3T3 cells, rat kidney tissue

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.

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

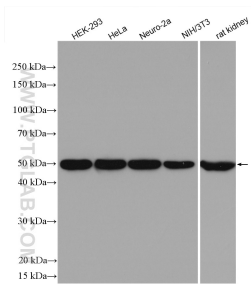
For technical support and original validation data for this product please contact:

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

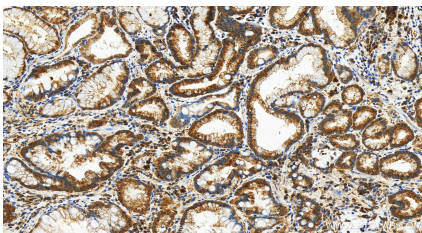
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W: ptglab.com

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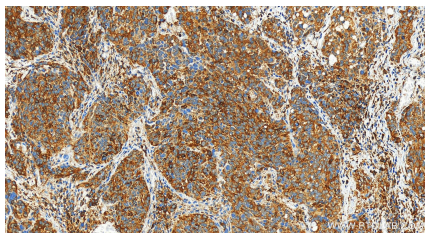
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29290-1-AP (NADK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 29290-1-AP (NADK antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 29290-1-AP (NADK antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).