

For Research Use Only

NRK1 Polyclonal antibody

Catalog Number: 23805-1-AP



Basic Information

Catalog Number:

23805-1-AP

Size:

150ul , Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20746

GenBank Accession Number:

BC001366

GeneID (NCBI):

54981

UNIPROT ID:

Q9NWW6

Full Name:

chromosome 9 open reading frame 95

Calculated MW:

199 aa, 23 kDa

Observed MW:

23 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB: 1:1000-1:6000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : mouse kidney tissue, mouse liver tissue

IP : mouse kidney tissue,

Background Information

NRK1 (Nicotinamide riboside kinase 1) is necessary and rate-limiting for the use of exogenous NR and NMN for NAD β synthesis. Functionally, NRK1 activity restrains CD4+ T cell activation and cytokine production and promotes survival. These activities are linked to increased NRK1 expression in the cytoplasm, where it locally elevates NAD/H levels (PMID: 27725675, 29678570).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

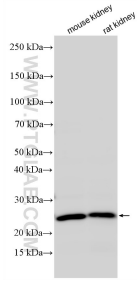
For technical support and original validation data for this product please contact:

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

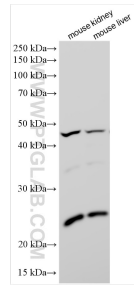
E: proteintech@ptglab.com
W: ptglab.com

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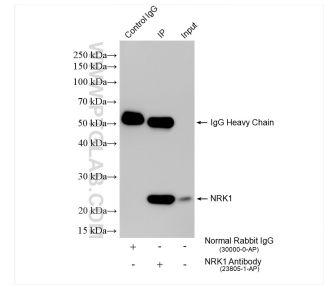
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23805-1-AP (NRK1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 23805-1-AP (NRK1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-NRK1 (IP:23805-1-AP, 4ug; Detection:23805-1-AP 1:3000) with mouse kidney tissue lysate 3400 ug.