

For Research Use Only

NRK1 Polyclonal antibody

Catalog Number: 23805-1-AP



Basic Information

Catalog Number:

23805-1-AP

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

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

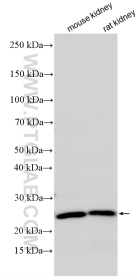
T: 4006900926

E: Proteintech-CN@ptglab.com

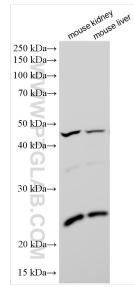
W: ptgcn.com

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

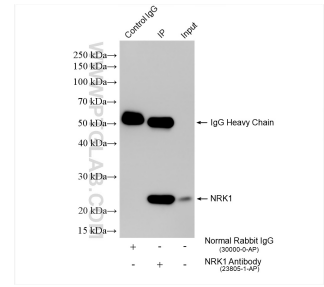
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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.