

NMRK1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9650a

Specification

NMRK1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9NWW6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	24-50

NMRK1 Antibody (N-term) - Additional Information

Gene ID 54981

Other Names

Nicotinamide riboside kinase 1, NRK 1, NmR-K 1, Nicotinic acid riboside kinase 1, Ribosylnicotinamide kinase 1, RNK 1, Ribosylnicotinic acid kinase 1, NMRK1, C9orf95, NRK1

Target/Specificity

This NMRK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-50 amino acids from the N-terminal region of human NMRK1. .

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NMRK1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NMRK1 Antibody (N-term) - Protein Information

Name NMRK1

Synonyms C9orf95, NRK1

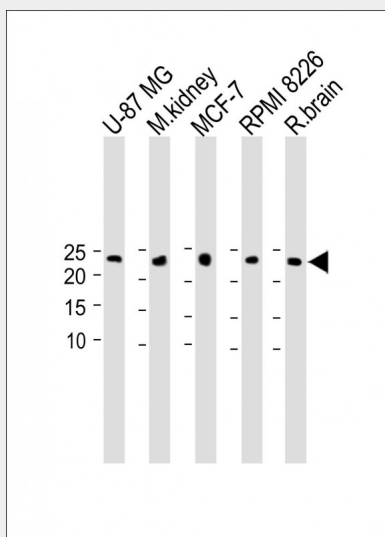
Function Catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside (NaR) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN). The enzyme also phosphorylates the antitumor drugs tiazofurin and 3-deazaguanosine.

NMRK1 Antibody (N-term) - Protocols

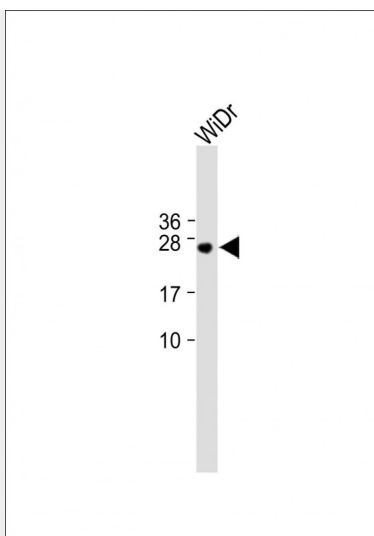
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

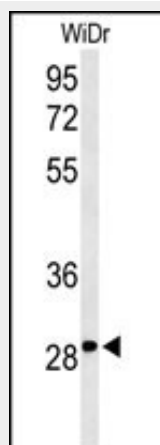
NMRK1 Antibody (N-term) - Images



All lanes : Anti-NMRK1 Antibody (N-term) at 1:1000 dilution Lane 1: U-87 MG whole cell lysate Lane 2: M. kidney whole cell lysate Lane 3: MCF-7 whole cell lysate Lane 4: RPMI 8226 whole cell lysate Lane 5: R. brain whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 23kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-NMRK1 Antibody (N-term) at 1:1000 dilution Lane 1: WiDr whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 23kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of NMRK1 Antibody (N-term) (Cat. #AP9650a) in WiDr cell line lysates (35ug/lane). NMRK1 (arrow) was detected using the purified Pab.

NMRK1 Antibody (N-term) - Background

Nicotinamide adenine dinucleotide (NAD⁺) is essential for life in all organisms, both as a coenzyme for oxidoreductases and as a source of ADP-ribosyl groups used in various reactions. Nicotinic acid and nicotinamide, collectively known as niacin, are the vitamin precursors of NAD⁺. Nicotinamide riboside kinases, such as NRK1, function to synthesize NAD⁺ through nicotinamide mononucleotide using nicotinamide riboside as the precursor (Bieganski and Brenner, 2004 [PubMed 15137942]).[supplied by OMIM].

NMRK1 Antibody (N-term) - References

Khan, J.A., et al. Structure 15(8):1005-1013(2007)
Humphray, S.J., et al. Nature 429(6990):369-374(2004)
Bieganski, P., et al. Cell 117(4):495-502(2004)