

NMRK1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9650a**Specification**

NMRK1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9NWW6](#)**NMRK1 Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NMRK1 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NMRK1 Antibody (N-term) Blocking Peptide - Images**NMRK1 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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)