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PPNK Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7176a

Specification

PPNK Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O95544

PPNK Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 65220

Other Names
NAD kinase, Poly(P)/ATP NAD kinase, NADK

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7176a was selected from the N-term region of human PPNK. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

PPNK Antibody (N-term) Blocking Peptide - Protein Information

Name NADK

Tissue Location
Widely expressed but not detected in skeletal muscle.

PPNK Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

PPNK Antibody (N-term) Blocking Peptide - Images

PPNK Antibody (N-term) Blocking Peptide - Background

NADP is essential for biosynthetic pathways, energy, and signal transduction. Its synthesis is catalyzed by NAD kinase, which phosphorylates NAD+ to form NADP+. The NAD kinase gene is expressed in most human tissues, but not in skeletal muscle. The catalytically active homotetramer is highly selective for its substrates, NAD and ATP.

PPNK Antibody (N-term) Blocking Peptide - References

Lerner, F., et al., Biochem. Biophys. Res. Commun. 288(1):69-74 (2001).