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NDN Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20885b

Specification

NDN Blocking Peptide (N-term) - Product Information

Primary Accession Q99608

NDN Blocking Peptide (N-term) - Additional Information

Gene ID 4692

Other Names
Necdin, NDN

Target/Specificity
The synthetic peptide sequence is selected from aa 75-89 of HUMAN NDN

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.

NDN Blocking Peptide (N-term) - Protein Information

Name NDN

Function
Growth suppressor that facilitates the entry of the cell into cell cycle arrest. Functionally similar to the retinoblastoma protein it binds to and represses the activity of cell-cycle-promoting proteins such as SV40 large T antigen, adenovirus E1A, and the transcription factor E2F. Necdin also interacts with p53 and works in an additive manner to inhibit cell growth. Also functions as a transcription factor and directly binds to specific guanosine-rich DNA sequences (By similarity).

Cellular Location
Perikaryon. Nucleus. Note=Neural perikarya, translocates to the nucleus of postmitotic neurons and interacts with the nuclear matrix

Tissue Location
Almost ubiquitous. Detected in fetal brain, lung, liver and kidney; in adult heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine and colon. Not detected in peripheral blood leukocytes. In brain, restricted to post-mitotic neurons

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NDN Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

NDN Blocking Peptide (N-term) - Images

NDN Blocking Peptide (N-term) - Background

Growth suppressor that facilitates the entry of the cell into cell cycle arrest. Functionally similar to the retinoblastoma protein it binds to and represses the activity of cell-cycle- promoting proteins such as SV40 large T antigen, adenovirus E1A, and the transcription factor E2F. Necdin also interacts with p53 and works in an additive manner to inhibit cell growth. Functions also as transcription factor and binds directly to specific guanosine-rich DNA sequences (By similarity).

NDN Blocking Peptide (N-term) - References

Jay P.,et al.Nat. Genet. 17:357-360(1997).
Nakada Y.,et al.Gene 213:65-72(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Beneduzzi D.,et al.Eur. J. Endocrinol. 165:145-150(2011).