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NDN Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20885b

Product Information

Application	WB, E
Primary Accession	Q99608
Reactivity	Human
Predicted	Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51025
Calculated MW	36086

Additional Information

Gene ID	4692
Other Names	Necdin, NDN
Target/Specificity	This NDN antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 75-109 amino acids from the N-terminal region of human NDN.
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 purified through a protein A column, followed by peptide affinity purification.
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	NDN Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

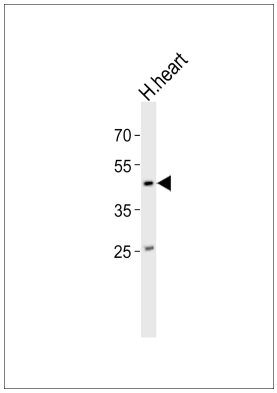
Background

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).

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).

Images



Western blot analysis of lysate from human heart tissue lysate, using NDN Antibody (N-term)(Cat. #AP20885b). AP20885b was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.