

NDN / Necdin Antibody (clone 1B3)
Mouse Monoclonal Antibody
Catalog # ALS14390**Specification**

NDN / Necdin Antibody (clone 1B3) - Product Information

Application	WB, IF, IHC
Primary Accession	Q99608
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	36kDa KDa

NDN / Necdin Antibody (clone 1B3) - Additional Information**Gene ID** 4692**Other Names**
Necdin, NDN**Target/Specificity**
Human Necdin**Reconstitution & Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

NDN / Necdin Antibody (clone 1B3) is for research use only and not for use in diagnostic or therapeutic procedures.

NDN / Necdin Antibody (clone 1B3) - 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

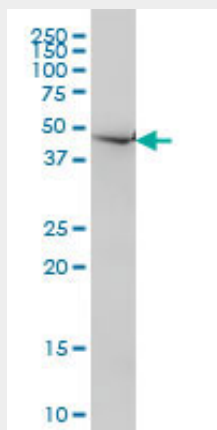
intestine and colon. Not detected in peripheral blood leukocytes. In brain, restricted to post-mitotic neurons

NDN / Necdin Antibody (clone 1B3) - Protocols

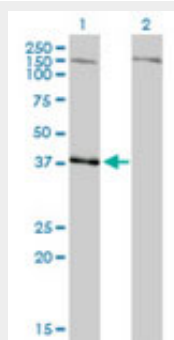
Provided below are standard protocols that you may find useful for product applications.

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

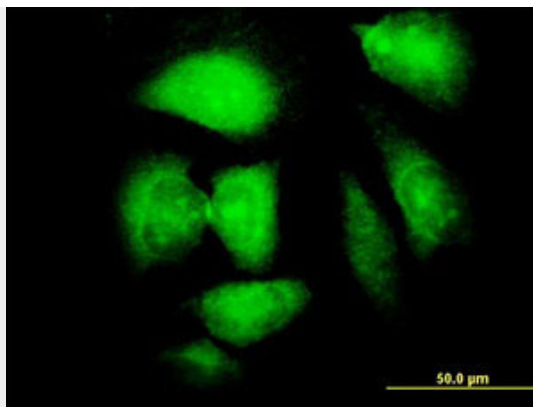
NDN / Necdin Antibody (clone 1B3) - Images



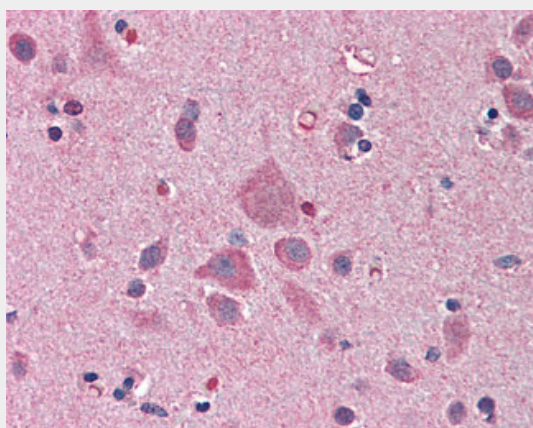
NDN monoclonal antibody ALS14390 Western blot of NDN expression in HL-60.



Western blot of NDN expression in transfected 293T cell line by NDN monoclonal antibody ALS14390.



Immunofluorescence of monoclonal antibody to NDN on HeLa cell. [antibody concentration 10 ug/ml]



Anti-NDN / Necdin antibody IHC of human brain, cortex.

NDN / Necdin Antibody (clone 1B3) - 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 / Necdin Antibody (clone 1B3) - 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).