

## NDN Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant NDN.

Catalog # AT2988a

### Product Information

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<b>Application</b>	WB, IHC, IF, E
<b>Primary Accession</b>	<a href="#">Q99608</a>
<b>Other Accession</b>	<a href="#">NM_002487</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	1B3
<b>Calculated MW</b>	36086

### Additional Information

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<b>Gene ID</b>	4692
<b>Other Names</b>	Necdin, NDN
<b>Target/Specificity</b>	NDN (NP_002478, 222 a.a. ~ 321 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	NDN Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

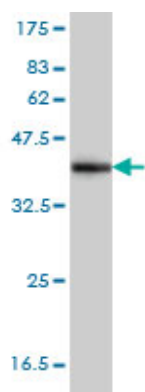
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This intronless gene is located in the Prader-Willi syndrome deletion region. It is an imprinted gene and is expressed exclusively from the paternal allele. Studies in mouse suggest that the protein encoded by this gene may suppress growth in postmitotic neurons.

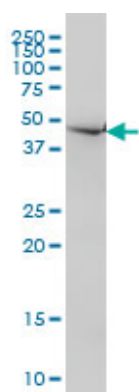
### References

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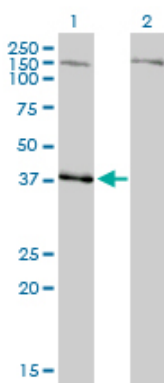
1.Necdin Enhances Myoblasts Survival by Facilitating the Degradation of the Mediator of Apoptosis CCAR1/CARP1.Francois S, D'Orlando C, Fatone T, Touvier T, Pessina P, Meneveri R, Brunelli S.PLoS One. 2012;7(8):e43335. Epub 2012 Aug 14.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 KDa) .

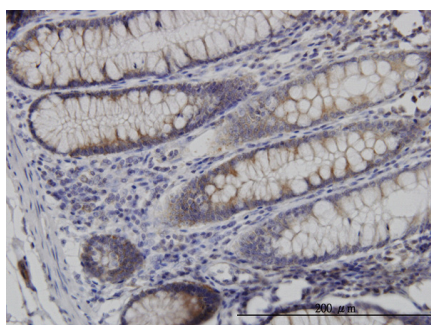


NDN monoclonal antibody (M02), clone 1B3 Western Blot analysis of NDN expression in HL-60 ( (Cat # AT2988a )



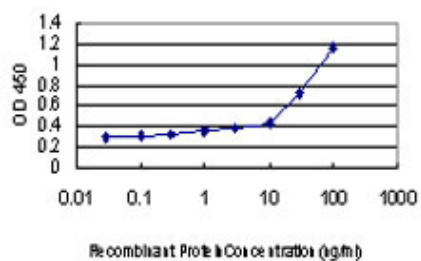
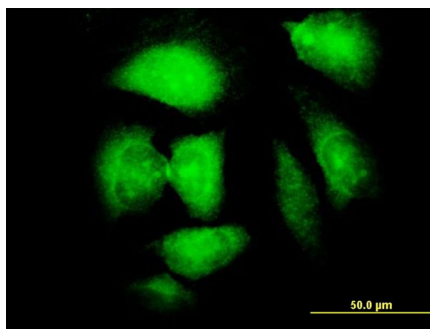
Western Blot analysis of NDN expression in transfected 293T cell line by NDN monoclonal antibody (M02), clone 1B3.

Lane 1: NDN transfected lysate(36.1 KDa).  
Lane 2: Non-transfected lysate.

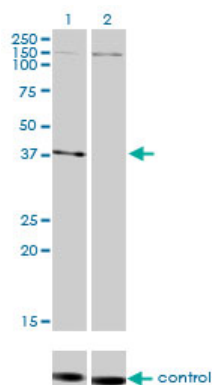


Immunoperoxidase of monoclonal antibody to NDN on formalin-fixed paraffin-embedded human colon. [antibody concentration 1.5 ug/ml]

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



Detection limit for recombinant GST tagged NDN is approximately 0.03ng/ml as a capture antibody.



Western blot analysis of NDN over-expressed 293 cell line, cotransfected with NDN Validated Chimera RNAi (Cat # AT2988a )

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