



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)

## NDN monoclonal antibody (M02), clone 1B3

Catalog # : H00004692-M02

規格 : [ 100 ug ]

[List All](#)

### Specification

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant NDN.

**Immunogen:** NDN (NP\_002478, 222 a.a. ~ 321 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

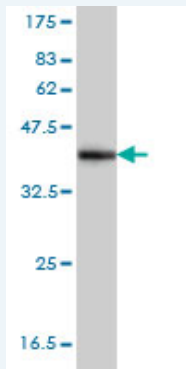
**Sequence:** WKKHSTFGDVRKLTITEEFVQMNLYKYQRVPYVEPPEYEFFWGSRASREI  
TKMQIMEFLARVFKKDPQAWPSRYREALLEEARALREANPTAHYPRSSVS  
ED

**Host:** Mouse

**Reactivity:** Human

**Isotype:** IgG2a Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.11 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

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

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Publication Reference

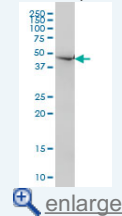
1. [Necdin Enhances Myoblasts Survival by Facilitating the Degradation of the Mediator of Apoptosis CCAR1/CARP1.](#)  
Francois S, D'Orlando C, Fatone T, Touvier T, Pessina P, Meneveri R, Brunelli S. PLoS One. 2012;7(8):e43335. Epub 2012 Aug 14.

### Applications

Western Blot (Cell lysate)

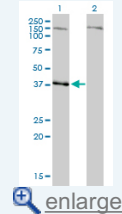
### Application Image

Western Blot (Cell lysate)



[enlarge](#)

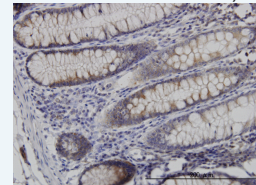
Western Blot (Transfected lysate)



[enlarge](#)

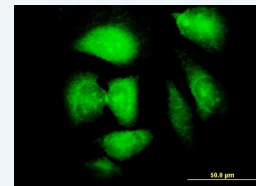
Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



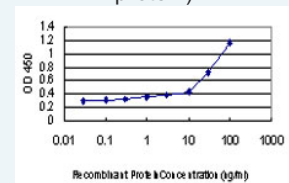
[enlarge](#)

Immunofluorescence



[enlarge](#)

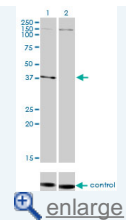
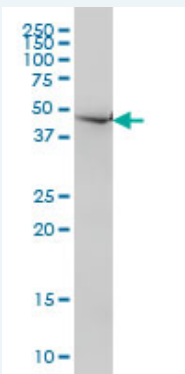
Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA

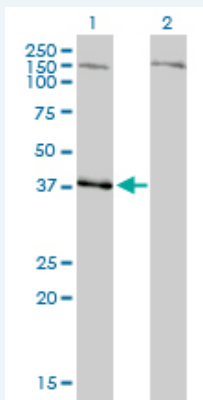
RNAi Knockdown (Antibody validated)



NDN monoclonal antibody (M02), clone 1B3 Western Blot analysis of NDN expression in HL-60 ( Cat # L014V1 ).

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#### Western Blot (Transfected lysate)



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

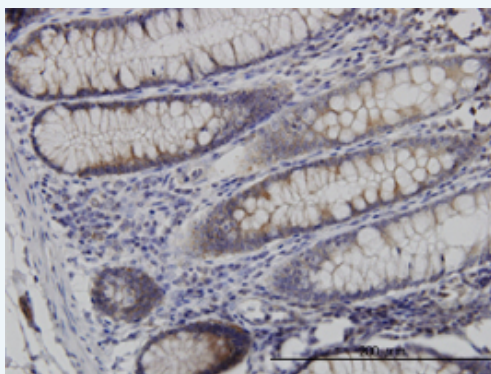
Lane 1: NDN transfected lysate(36.1 KDa).  
Lane 2: Non-transfected lysate.

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#### Western Blot (Recombinant protein)

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#### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

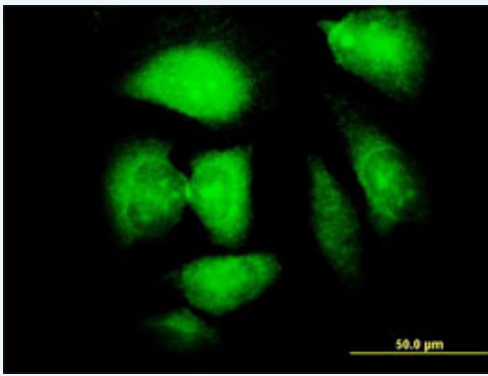


[enlarge this image](#)

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

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#### Immunofluorescence

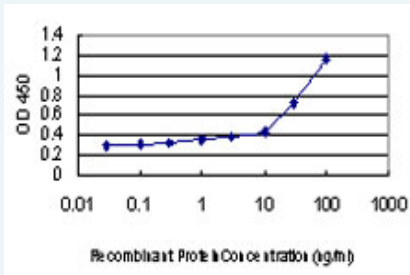


[enlarge this image](#)

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

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### Sandwich ELISA (Recombinant protein)

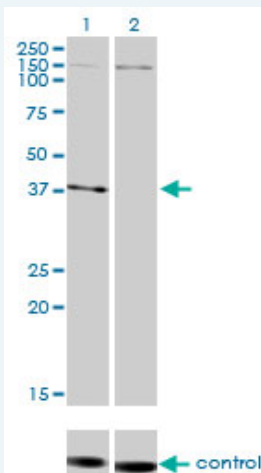


Detection limit for recombinant GST tagged NDN is approximately 0.03ng/ml as a capture antibody.

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### ELISA

#### RNAi Knockdown (Antibody validated)



Western blot analysis of NDN over-expressed 293 cell line, cotransfected with NDN Validated Chimera RNAi ( Cat # H00004692-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with NDN monoclonal antibody (M02), clone 1B3 (Cat # H00004692-M02 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.

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### Gene Information

Entrez GeneID: [4692](#)

GeneBank [NM\\_002487](#)

Accession#:

Protein [NP\\_002478](#)

Accession#:

Gene Name: NDN

**Gene Alias:** HsT16328,PWCR

**Gene Description:** necdin homolog (mouse)

**Omim ID:** [176270](#), [602117](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** 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. [provided by RefSeq]

**Other Designations:** OTTHUMP00000159437,necdin

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