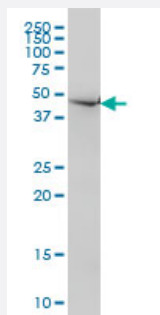


NDN monoclonal antibody (M02), clone 1B3

Catalog # H00004692-M02

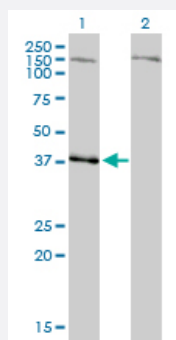
Size 100 ug

Applications



Western Blot (Cell lysate)

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

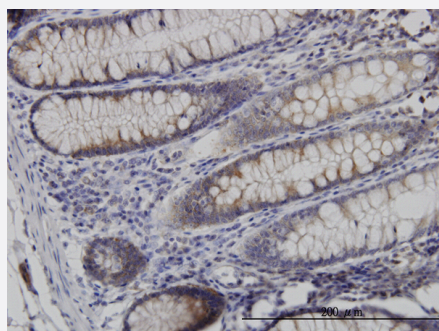


Western Blot (Transfected lysate)

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

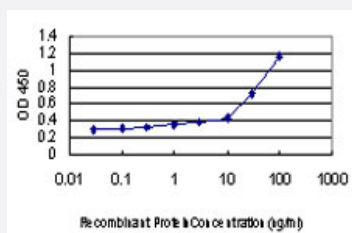
Lane 1: NDN transfected lysate(36.1 KDa).

Lane 2: Non-transfected lysate.



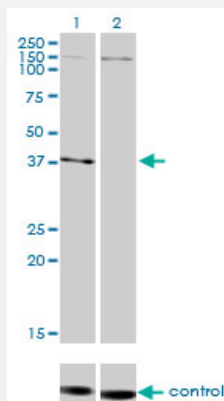
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



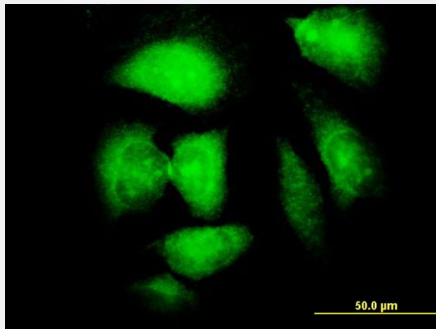
Sandwich ELISA (Recombinant protein)

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



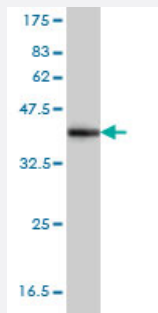
RNAi Knockdown (Antibody validated)

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.



Immunofluorescence

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



Western Blot detection against Immunogen (37.11 KDa) .

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	WKKHSTFGDVRKLITEEFVQMNYLKYQRPYPVEPPEYEFFWGSRASREITKMQIMEFLARVFKKD PQAWPSRYREALLEEALREANPTAHYPRSSVSED
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.

Applications

- Western Blot (Cell lysate)

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

[Protocol Download](#)

- 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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- 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.

[Protocol Download](#)

- Immunofluorescence

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

Gene Info — NDN

Entrez GeneID [4692](#)

GeneBank Accession# [NM_002487](#)

Protein Accession# [NP_002478](#)

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

Publication Reference

- [Notch3 protein expression in skin fibroblasts from CADASIL patients.](#)

Qualtieri A, Ungaro C, Bagalà A, Bianchi S, Pantoni L, Moccia M, Mazzei R.

Journal of the Neurological Sciences 2018 Jul; 390:121.

Application: IF, Human, Skin fibroblasts

- [Necdin enhances myoblasts survival by facilitating the degradation of the mediator of apoptosis CCAR1/CARP1.](#)

François S, D'Orlando C, Fatone T, Touvier T, Pessina P, Meneveri R, Brunelli S.

PLoS One 2012 Aug; 7(8):e43335.

Application: WB-Tr, Mouse, C2C12 cells

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Body Weight](#)
- [NARP](#)
- [Obesity](#)
- [Prader-Willi syndrome](#)
- [Sleep Apnea](#)