

# Product Datasheet

## Necdin Antibody (1B3) - Azide and BSA Free H00004692-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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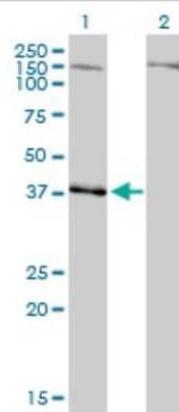
**H00004692-M02**

Necdin Antibody (1B3) - Azide and BSA Free

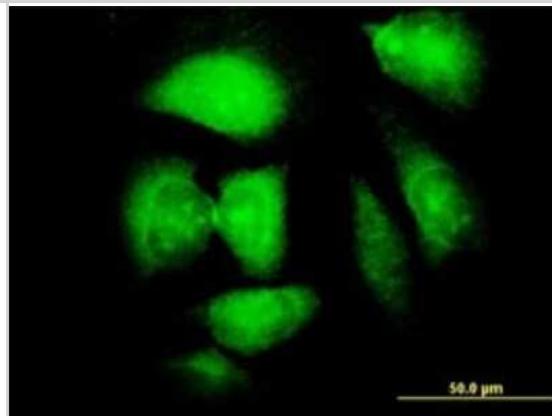
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1B3
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	4692
Gene Symbol	NDN
Species	Human, Mouse
Specificity/Sensitivity	NDN - necdin homolog (mouse)
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. WKKHSTFGDVRKLITEEFVQMNYLKYQRVPYVEPPEYEFFWGSRASREITKMQ IMEFLARVFKKDPQAWPSRYREALLEEARALREANPTAHYPRSSVSED
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Knockdown Validated
Application Notes	Antibody reactivity against recombinant protein and cell lysate for WB. It has been used for IF, IHC-P, RNAi Validation and ELISA.

## Images

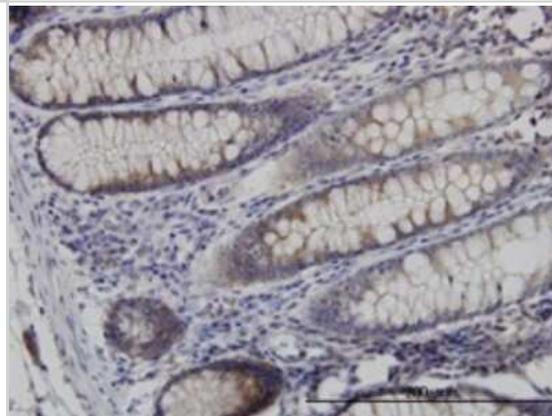
Western Blot: Necdin Antibody (1B3) [H00004692-M02] - Analysis of NDN expression in transfected 293T cell line by NDN monoclonal antibody (M02), clone 1B3. Lane 1: NDN transfected lysate(36.1 KDa). Lane 2: Non-transfected lysate.



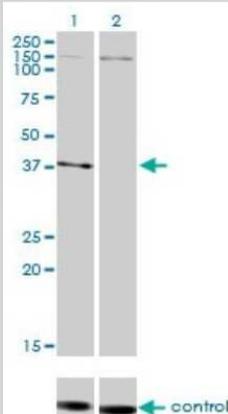
Immunocytochemistry/Immunofluorescence: Necdin Antibody (1B3) [H00004692-M02] - Analysis of monoclonal antibody to NDN on HeLa cell. Antibody concentration 10 ug/ml.



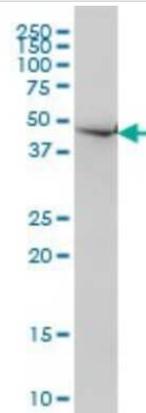
Immunohistochemistry-Paraffin: Necdin Antibody (1B3) [H00004692-M02] - Analysis of monoclonal antibody to NDN on formalin-fixed paraffin-embedded human colon. Antibody concentration 1.5 ug/ml.



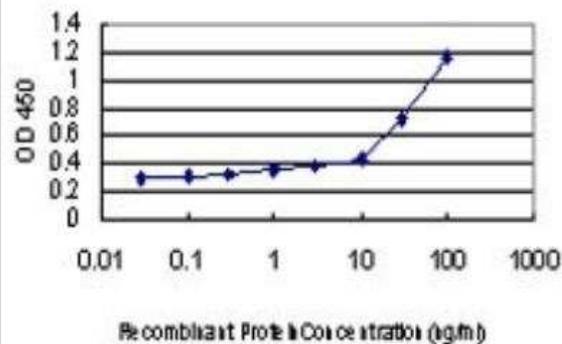
Western Blot: Necdin Antibody (1B3) [H00004692-M02] - Analysis of NDN over-expressed 293 cell line, cotransfected with NDN Validated Chimera RNAi ( Cat # H00004692-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with NDN monoclonal antibody (M02), clone 1B3 (Cat # H00004692-M02 ). GAPDH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



Western Blot: Necdin Antibody (1B3) [H00004692-M02] - NDN monoclonal antibody (M02), clone 1B3 Analysis of NDN expression in HL-60.



ELISA: Necdin Antibody (1B3) [H00004692-M02] - Detection limit for recombinant GST tagged NDN is approximately 0.03ng/ml as a capture antibody.



## Publications

Qualtieri A, Ungaro C, Bagala A et al. Notch3 protein expression in skin fibroblasts from CADASIL patients. *J Neurol Sci* 2018-04-19 [PMID: 29801872]

Francois S, D'Orlando C, Fatone T et al. Necdin Enhances Myoblasts Survival by Facilitating the Degradation of the Mediator of Apoptosis CCAR1/CARP1. *PLoS One*. 2012-08-14 [PMID: 22905258]



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### Products Related to H00004692-M02

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00004692-P01-10ug	Recombinant Human Nectin GST (N-Term) Protein

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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