

Product Datasheet

NEDD1 Antibody (7D10) - Azide and BSA Free H00121441-M05

Unit Size: 0.1 mg

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

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Publications: 13

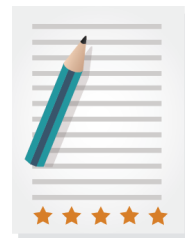
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H00121441-M05

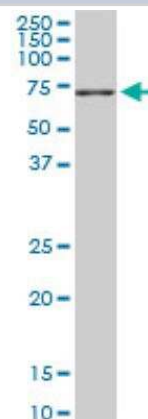
NEDD1 Antibody (7D10) - Azide and BSA Free

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	7D10
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	121441
Gene Symbol	NEDD1
Species	Human, Mouse, Rat, Porcine, Bovine, Sheep
Reactivity Notes	Other species have not been tested.
Marker	Centrosome Marker
Specificity/Sensitivity	NEDD1 - neural precursor cell expressed, developmentally down-regulated 1
Immunogen	NEDD1 (NP_690869, 561 a.a. ~ 660 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. AGVASSLSEKIADSIGNNRQNAPLTSIQIRFIQNMIQETLDDFREACHRDIVNLQV EMIKQFHMQLNEMHSLRLERYSVNEGLVAEIERLREENKRLRAHF
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunoblotting, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin 1:10-1:500, Immunoblotting
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunohistochemistry (paraffin) and ELISA. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 24025740).

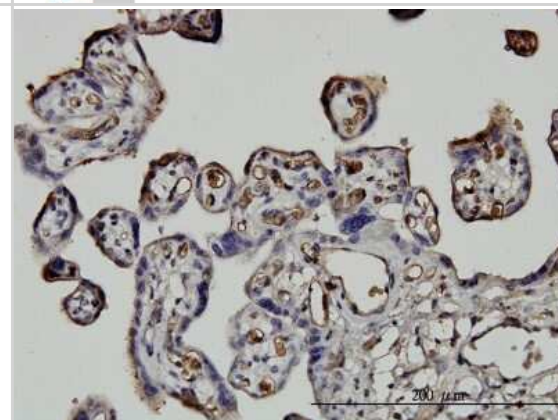


Images

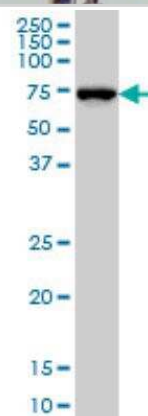
Western Blot: NEDD1 Antibody (7D10) [H00121441-M05] - Western Blot analysis of NEDD1 expression in NIH/3T3 (Cat # L018V1).



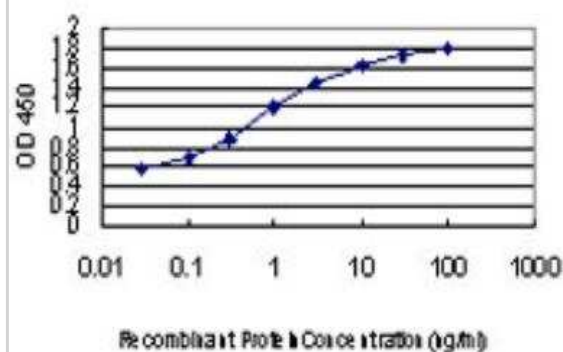
Immunohistochemistry-Paraffin: NEDD1 Antibody (7D10) [H00121441-M05] - Analysis of monoclonal antibody to NEDD1 on formalin-fixed paraffin-embedded human placenta. Antibody concentration 0.75 ug/ml



Western Blot: NEDD1 Antibody (7D10) [H00121441-M05] - Western Blot analysis of NEDD1 expression in Hela NE (Cat # L013V3).



ELISA: NEDD1 Antibody (7D10) [H00121441-M05] - Detection limit for recombinant GST tagged NEDD1 is approximately 0.03ng/ml as a capture antibody.



Publications

Krystal P, Jacopo S, Isabelle V et al. NEDD1-S411 phosphorylation plays a critical function in the coordination of microtubule nucleation during mitosis. *Biol Open*. 2022-10-31 [PMID: 36318115]

Isabell S, Marta R, M H et al. Dual spindles assemble in bovine zygotes despite the presence of paternal centrosomes. *J Cell Biol*. 2021-09-22 [PMID: 34550316]

Teixido-Travesa N, Villen J, Lacasa C et al. The γ TuRC Revisited: A Comparative Analysis of Interphase and Mitotic Human γ TuRC Redefines the Set of Core Components and Identifies the Novel Subunit GCP8. *Mol Biol Cell* 2010-09-24 [PMID: 20861304]

Baumann C, Wang X, Yang L, Viveiros MM. Error-prone meiotic division and subfertility in mice with oocyte-conditional knockdown of pericentrin. *J. Cell. Sci*. 2017-02-13 [PMID: 28193732] (Mouse)

Uehara R, Kamasaki T, Hiruma S et al. Augmin shapes the anaphase spindle for efficient cytokinetic furrow ingression and abscission. *Mol Biol Cell* 2016-03-01 [PMID: 26764096] (WB)

Haren L, Stearns T, Luders J. Plk1-dependent recruitment of gamma-tubulin complexes to mitotic centrosomes involves multiple PCM components. *PLoS One*. 2009-06-19 [PMID: 19543530]

Lecland N, Luders J. The dynamics of microtubule minus ends in the human mitotic spindle. *Nat Cell Biol*. 2014-06-29 [PMID: 24976384]

Tamura AN, Huang TT, Marikawa Y. Impact of Vitrification on the Meiotic Spindle and Components of the Microtubule-Organizing Center in Mouse Mature Oocytes. *Biol Reprod*. 2013-09-11 [PMID: 24025740] (ICC/IF, Mouse)

Stiess M, Maghelli N, Kapitein LC et al. Axon extension occurs independently of centrosomal microtubule nucleation. *Science* 327(5966):704-7. 2010-02-05 [PMID: 20056854]

Zhu H, Coppinger JA, Jang CY et al. FAM29A promotes microtubule amplification via recruitment of the NEDD1-gamma-tubulin complex to the mitotic spindle. *J Cell Biol* 2008-12-01 [PMID: 19029337]

Uehara R, Goshima G. Functional central spindle assembly requires de novo microtubule generation in the interchromosomal region during anaphase. Uehara R, Goshima G. [PMID: 20937700]

Archinti M, Lacasa C, Teixido-Travesa N, Luders J. SPICE--a previously uncharacterized protein required for centriole duplication and mitotic chromosome congression. *J Cell Sci* 123(Pt 18):3039-46. 2010-09-15 [PMID: 20736305]

More publications at <http://www.novusbio.com/H00121441-M05>



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Products Related to H00121441-M05

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
H00121441-Q01-10ug	Recombinant Human NEDD1 GST (N-Term) Protein

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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