

NEDD1 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant NEDD1.

Catalog # AT3009a

Product Information

Application	WB, IHC, E
Primary Accession	Q8NHV4
Other Accession	NM_152905
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	7D10
Calculated MW	71966

Additional Information

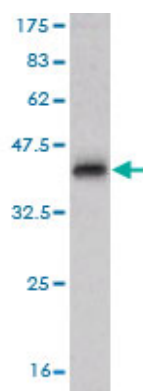
Gene ID	121441
Other Names	Protein NEDD1, Neural precursor cell expressed developmentally down-regulated protein 1, NEDD-1, NEDD1
Target/Specificity	NEDD1 (NP_690869, 561 a.a. ~ 660 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	NEDD1 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

References

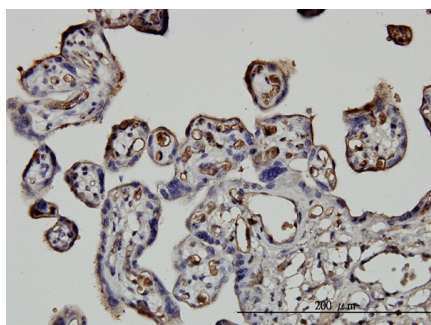
1.The dynamics of microtubule minus ends in the human mitotic spindle.Lecland N, Luders J.Nat Cell Biol. 2014 Jun 29. doi: 10.1038/ncb2996.2.Functional central spindle assembly requires de novo microtubule generation in the interchromosomal region during anaphase.Uehara R, Goshima G.J Cell Biol. 2010 Oct 11. [Epub ahead of print]3.The {gamma}TuRC Revisited: A Comparative Analysis of Interphase and Mitotic Human {gamma}TuRC Redefines the Set of Core Components and Identifies the Novel Subunit GCP8.Teixido-Travesa N, Villen J, Lacasa C, Bertran MT, ArchintiM, Gygi SP, Caelles C, Roig J, Luders J.Originally published as MBoC in Press, 10.1091/mbc.E10-05-04084.SPICE - a previously uncharacterized protein required for centriole duplication and mitotic chromosome congression.Archinti M, Lacasa C, Teixido-Travesa N, Luders JJ Cell Sci. 2010 Sep 15;123(Pt 18):3039-46. Epub 2010 Aug 24.5.Axon Extension

Occurs Independently of Centrosomal Microtubule Nucleation. Stieess M, Maghelli N, Kapitein LC, Gomis-Ruth S, Wilsch-Brauninger M, Hoogenraad CC, Tolic-Norrelykke IM, Bradke F. *Science*. 2010 Feb 5;327(5966):704-7. Epub 2010 Jan 7. 6. FAM29A, a target of Plk1 regulation, controls the partitioning of NEDD1 between the mitotic spindle and the centrosomes. Zhu H, Fang K, Fang G. *J Cell Sci*. 2009 Aug 1;122(Pt 15):2750-9. Epub 2009 Jul 13. 7. Plk1-dependent recruitment of gamma-tubulin complexes to mitotic centrosomes involves multiple PCM components. Haren L, Stearns T, Luders J. *PLoS One*. 2009 Jun 19;4(6):e5976. 8. FAM29A promotes microtubule amplification via recruitment of the NEDD1-gamma-tubulin complex to the mitotic spindle. Zhu H, Coppinger JA, Jang CY, Yates JR, III, Fang JJ. *Cell Biol*. 2008 Dec 1;183(5):835-48. Epub 2008 Nov 24.

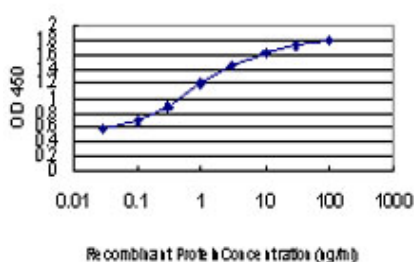
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



Immunoperoxidase of monoclonal antibody to NEDD1 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 0.75 ug/ml]



Detection limit for recombinant GST tagged NEDD1 is approximately 0.03ng/ml as a capture antibody.

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