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NEDD1 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant NEDD1.

Catalog # AT3009a

Specification

NEDD1 Antibody (monoclonal) (M05) - Product Information

Application	**WB, IHC, E**
Primary Accession	Q8NHV4
Other Accession	NM_152905
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Kappa**
Calculated MW	**71966**

NEDD1 Antibody (monoclonal) (M05) - 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

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.

NEDD1 Antibody (monoclonal) (M05) - Protocols

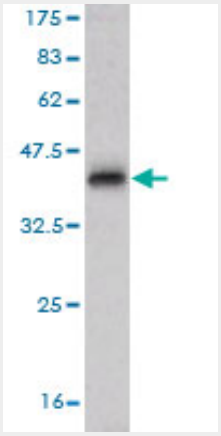
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

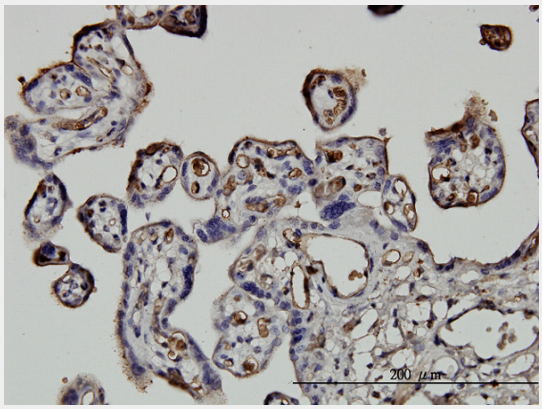
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

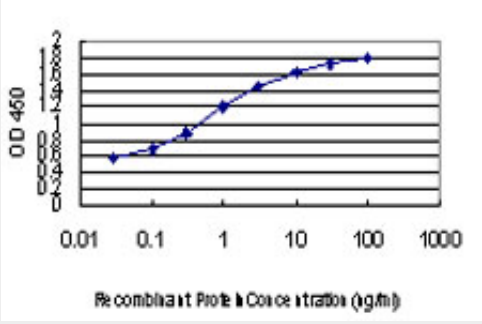
NEDD1 Antibody (monoclonal) (M05) - Images



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.

NEDD1 Antibody (monoclonal) (M05) - 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 J.J Cell Sci. 2010 Sep 15;123(Pt 18):3039-46. Epub 2010 Aug 24.5.Axon Extension Occurs Independently of Centrosomal Microtubule Nucleation.Stiess 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 J.J Cell Biol. 2008 Dec 1;183(5):835-48. Epub 2008 Nov 24.