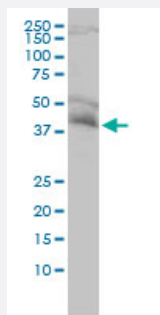


NDE1 monoclonal antibody (M01), clone 2G11-1C11

Catalog # H00054820-M01

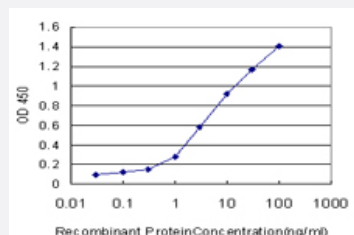
Size 100 ug

Applications



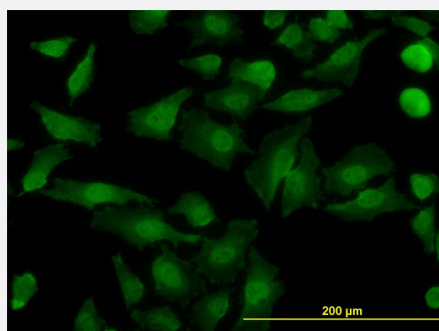
Western Blot (Cell lysate)

NDE1 monoclonal antibody (M01), clone 2G11-1C11 Western Blot analysis of NDE1 expression in HeLa (Cat # L013V1).



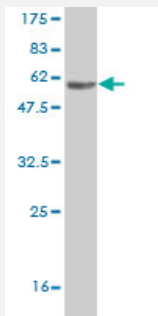
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NDE1 is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to NDE1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (62.59 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant NDE1.
Immunogen	NDE1 (AAH01421, 1 a.a. ~ 335 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MEDSGKTFSSSEEEANYWKDLAMTYKQRAENTQEELREFQEGSREYEALETQLQQIETNRDL LSENNRLRMELETIKEKFEVQHSEGYRQISALEDDLAQTKAIKDQLQKYIRELEQANDDLERAKRAT IMSLEDFEQRLNQAIERNAFLESELDEKENLLESVQRLKDEARDLRQELAVQQKQEKPRTPMPSS VEAERTDTAVQATGSPSTPIAHRGPSSSLNTPGSFRRGLDDSTGGTPLTPAARISALNIVGDLLR KVGALSKLASCRNLVYDQSPNRTGGPASGRSSKNRDGGERRPSSTSVPLGDKGLDTSRWLS KSTRSSSSC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (83)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (62.59 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)

NDE1 monoclonal antibody (M01), clone 2G11-1C11 Western Blot analysis of NDE1 expression in Hela (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NDE1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to NDE1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — NDE1

Entrez GeneID [54820](#)

GeneBank Accession# [BC001421](#)

Protein Accession# [AAH01421](#)

Gene Name NDE1

Gene Alias FLJ20101, HOM-TES-87, NUDE, NUDE1

Gene Description nudE nuclear distribution gene E homolog 1 (A. nidulans)

Omim ID [609449](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the nuclear distribution E (NudE) family of proteins. The encoded protein is localized at the centrosome and interacts with other centrosome components as part of a multiprotein complex that regulates dynein function. This protein plays an essential role in microtubule organization, mitosis and neuronal migration. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations LIS1-interacting protein NUDE1, rat homolog|OTTHUMP00000160329|OTTHUMP00000160330|nuclear distribution gene E homolog 1

Publication Reference

- [Micronuclei from misaligned chromosomes that satisfy the spindle assembly checkpoint in cancer cells.](#)

Ana Margarida Gomes, Bernardo Orr, Marco Novais-Cruz, Filipe De Sousa, Joana Macário-Monteiro, Carolina Lemos, Cristina Ferrás, Helder Maiato.

Current Biology : CB 2022 Aug; [Epub].

Application: WB-Tr, Human, Hela cells

- [Augmin-dependent microtubule self-organization drives kinetochore fiber maturation in mammals.](#)

Ana C Almeida, Joana Soares-de-Oliveira, Danica Drpic, Liam P Cheeseman, Joana Damas, Harris A Lewin, Denis M Larkin, Paulo Aguiar, António J Pereira, Helder Maiato.

Cell Reports 2022 Apr; 39(1):110610.

Application: WB-Ce, Indian muntjac, Indian muntjac fibroblasts

- [Centrosome-nuclear axis repositioning drives the assembly of a bipolar spindle scaffold to ensure mitotic fidelity.](#)

Vanessa Nunes, Margarida Dantas, Domingos Castro, Elisa Vitiello, Irène Wang, Nicolas Carpi, Martial Balland, Matthieu Piel, Paulo Aguiar, Helder Maiato, Jorge G Ferreira.

Molecular Biology of the Cell 2020 Jul; 31(16):1675.

Application: WB-Tr, Human, HeLa cells

- [Severe NDE1-mediated microcephaly results from neural progenitor cell cycle arrests at multiple specific stages.](#)

Doobin DJ, Kemal S, Dantas TJ, Vallee RB.

Nature Communications 2016 Aug; 7:12551.

Application: WB-Tr, Rat, Rat brain glioma cell C6

- [NDE1, NDEL1: Multimerisation, alternate splicing and DISC1 interaction.](#)

Bradshaw NJ, Christie S, Soares DC, Carlyle BC, Porteous DJ, Millar JK.

Neuroscience Letters 2008 Nov; 449(3):228.

Application: WB, Human, HEK 293T cells

Disease

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)