

NUDC Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant NUDC.****Catalog # AT3125a****Specification**

NUDC Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, E
Primary Accession	O9Y266
Other Accession	BC002399
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	38243

NUDC Antibody (monoclonal) (M01) - Additional Information**Gene ID** 10726**Other Names**

Nuclear migration protein nudC, Nuclear distribution protein C homolog, NUDC

Target/Specificity

NUDC (AAH02399, 1 a.a. ~ 331 a.a) full-length 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

NUDC Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

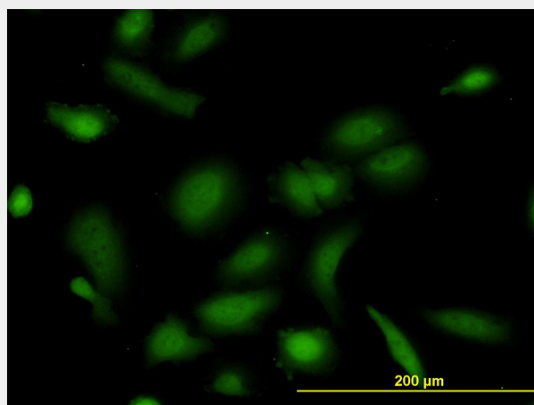
NUDC Antibody (monoclonal) (M01) - Protocols

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

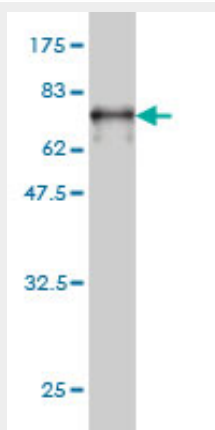
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

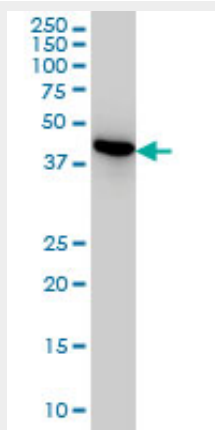
NUDC Antibody (monoclonal) (M01) - Images



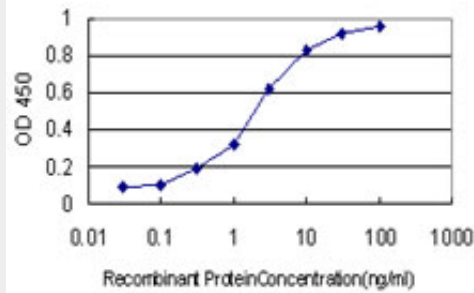
Immunofluorescence of monoclonal antibody to NUDC on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (62.15 KDa) .



NUDC monoclonal antibody (M01), clone 5G12 Western Blot analysis of NUDC expression in HeLa (Cat # AT3125a)



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

NUDC Antibody (monoclonal) (M01) - Background

NudC was first identified as a regulator of nuclear movement in the asexual reproductive cycle of the filamentous fungus *Aspergillus nidulans*. Human NUDC is a nuclear movement protein that associates with dynein (see DYNC1H1; MIM 600112) (Aumais et al., 2003 [PubMed 12679384]).

NUDC Antibody (monoclonal) (M01) - References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732. Interference RNA (RNAi)-based silencing of endogenous thrombopoietin receptor (Mpl) in Dami cells resulted in decreased hNUDC-mediated megakaryocyte proliferation and differentiation. Pang SF, et al. Exp Cell Res, 2009 Dec 10. PMID 19560457. hNUDC promotes the cell proliferation and differentiation in a leukemic cell line via activation of the thrombopoietin receptor (Mpl). Tang YS, et al. Leukemia, 2008 May. PMID 18288130. Regulation of cell differentiation by hNUDC via a Mpl-dependent mechanism in NIH 3T3 cells. Zhang YP, et al. Exp Cell Res, 2007 Sep 10. PMID 17658515. Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.

NUDC Antibody (monoclonal) (M01) - Citations

- [WIPI3 and WIPI4 \$\beta\$ -propellers are scaffolds for LKB1-AMPK-TSC signalling circuits in the control of autophagy.](#)