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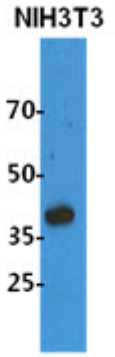
AM39076PU-S Monoclonal Antibody to NDE1 - Purified

Alternate names:	NUDE, Nuclear distribution protein nudE homolog 1
Quantity:	50 µl
Concentration:	1.0 mg/ml
Background:	NDE1 is important to microtubule reorganization, which is required for centrosome duplication and the formation of the mitotic spindle and cell migration. NDE1 is a binding partner of DISC1 along with LIS1 at the centrosome and at synapses in neurons. Mutations in the NDE1 gene result in a reduced cerebral cortex size caused by defects in mitotic progression and chromosomal localization of cortical progenitors. NDE1 is expressed as 2 isoforms produced by alternative splicing of the primary gene transcript.
Uniprot ID:	Q9NXR1
NCBI:	NP_001137451.1
GeneID:	54820
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	AT1F7
Immunogen:	Recombinant human NDE1 (1-335aa) purified from E. coli
Format:	**State:** Liquid purified Ig fraction **Purification:** Protein-G affinity chromatography **Buffer System:** PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol
Applications:	ELISA. Western blot (1:500). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody recognizes human NDE1. Other species not tested. **Species:** Human Other species not tested.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Yan X., et al. (2003) Mol Cell Biol. 23(4):1239-50. Kitagawa M., et al. (2000) FEBS Lett. 479(1-2):57-62. Mayya V., et.al., Sci. Signal. 2:RA46-RA46(2009).

Pictures:

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NDE1antibody Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system



Western blot analysis: The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NDE1antibody Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.