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## Datasheet for ABIN7161756 **anti-NDEL1 antibody (AA 1-345)**

### Overview

Quantity:	100 µL
Target:	NDEL1
Binding Specificity:	AA 1-345
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDEL1 antibody is un-conjugated
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human Nuclear distribution protein nudE-like 1 protein (1-345AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

### Target Details

Target:	NDEL1
Alternative Name:	NDEL1 ( <a href="#">NDEL1 Products</a> )
Background:	Background: Required for organization of the cellular microtubule array and microtubule anchoring at the centrosome. May regulate microtubule organization at least in part by

## Target Details

targeting the microtubule severing protein KATNA1 to the centrosome. Also positively regulates the activity of the minus-end directed microtubule motor protein dynein. May enhance dynein-mediated microtubule sliding by targeting dynein to the microtubule plus ends. Required for several dynein- and microtubule-dependent processes such as the maintenance of Golgi integrity, the centripetal motion of secretory vesicles and the coupling of the nucleus and centrosome. Also required during brain development for the migration of newly formed neurons from the ventricular/subventricular zone toward the cortical plate. Plays a role, together with DISC1, in the regulation of neurite outgrowth. Required for mitosis in some cell types but appears to be dispensable for mitosis in cortical neuronal progenitors, which instead requires NDE1. Facilitates the polymerization of neurofilaments from the individual subunits NEFH and NEFL.

Aliases: A. nidulans antibody, DKFZp451M0318 antibody, ENDOOLIGOPEPTIDASE A antibody, EOPA antibody, MITAP 1 antibody, MITAP1 antibody, Mitosin associated protein 1 antibody, Mitosin associated protein MITAP1 antibody, Mitosin-associated protein 1 antibody, Ndel 1 antibody, NDEL1 antibody, NDEL1\_HUMAN antibody, Nuclear distribution gene E like homolog 1 antibody, Nuclear distribution protein nudE like 1 antibody, Nuclear distribution protein nudE-like 1 antibody, NUDE like protein antibody, NudE nuclear distribution gene E homolog like 1 A. nidulans antibody, NudE nuclear distribution gene E homolog like 1 antibody, NUDEL antibody, Protein Nudel antibody

UniProt: [Q9GZM8](#)

Pathways: [Regulation of Cell Size](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

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Storage: -20 °C, -80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.