

Rabbit anti-Human NDEL1 Polyclonal Antibody | anti-NDEL1 antibody

Anti-NDEL1 Antibody, Rabbit Polyclonal

CATALOG # AAA255879	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

NDEL1; Polyclonal Antibody; Anti-NDEL1 Antibody; Rabbit Polyclonal; NDEL1 Antibody; Rabbit PAb; Antigen Affinity Purified; nudE neurodevelopment protein 1-like 1; Anti-EOPA Antibody; Anti-MITAP1 Antibody; Anti-NDE1L1 Antibody; Anti-NDE2 Antibody; Anti-NUDEL Antibody; anti-NDEL1 antibody

PRODUCT SPECIFICATIONS

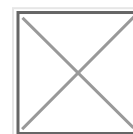
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NDEL1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-NDEL1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human NDEL1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human NDEL1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

NDEL1 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate, 4 uL anti-NDEL1 rabbit polyclonal antibody and 60 ug of Immnomagnetic beads Protein A/G. Primary antibody: Anti-NDEL1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 38 kDa. Observed band size: 43 kDa.



WB (Western Blot)

Anti-NDEL1 rabbit polyclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate. Lane B: Jurkat Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 38 kDa. Observed band size: 43 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NDEL1 antibody	Nuclear distribution element-like 1 (NDEL1/NUDEL) is a mammalian homolog of the Aspergillus nidulans nuclear distribution molecule NudE. NDEL1 plays pivotal roles in diverse biological processes and is implicated in the pathogenesis of multiple neurodevelopmental disorders. NDEL1 plays a critical role in neuronal migration, neurite outgrowth, and neuronal positioning during brain development. Ndel1 is a DISC1-interacting oligopeptidase that cleaves in vitro neuropeptides as neurotensin and bradykinin, and which has been associated with both neuronal migration and neurite outgrowth. NDEL1 is a binding partner of LIS1 that participates in the regulation of cytoplasmic dynein function and microtubule organization during mitotic cell division and neuronal migration. NDEL1 preferentially localizes to the centrosome and is a likely target for cell cycle-activated kinases, including CDK1.
References	Wu Q, et al. (2014) Ndel1 was decreased in the ca3 region but increased in the hippocampal blood vessel network during the spontaneous seizure period after pilocarpine-induced status epilepticus. Neuroscience 268 276-283.Mori D, et al. (2007) Ndel1 phosphorylation by aurora-a kinase is essential for centrosomal maturation, separation, and tacc3 recruitment. Mol Cell Biol 27 (1): 352-367.Hong JH, et al. (2016) Regulation of the actin cytoskeleton by the ndel1-tara complex is critical for cell migration. Sci Rep 6 31827.Choi YS, et al. (2016) Status epilepticus stimulates ndel1 expression via the creb/cre pathway in the adult mouse brain. Neuroscience 331 1-12.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ndel1-antibody-immunoprecipitation-western-blot-elisa/255879>