

## Product datasheet for **TA306096**

### Nudel (NDEL1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 2 ug/mL, IF: 10 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Nudel antibody was raised against a peptide corresponding to 15 amino acids near the amino terminus of human Nudel.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	nudE neurodevelopment protein 1 like 1
Database Link:	<a href="#">AAF97497</a> <a href="#">Entrez Gene 81565 Human</a> <a href="#">Q9GZM8</a>



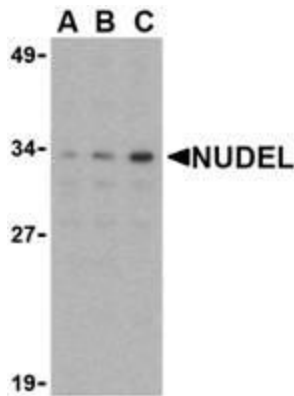
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**Background:**

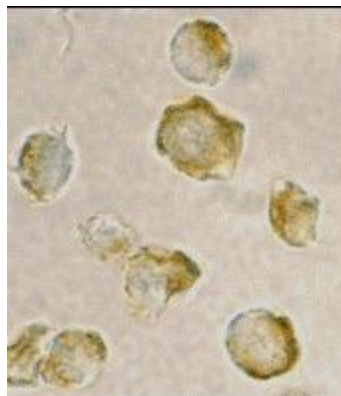
Nudel was initially discovered as a protein homologous to *Aspergillus NUDE* and that associated with Lis1 and polyprotein complex cytoplasmic dynein, both of which have been linked to neuronal development and migration (1,2). It was later shown to be a substrate of cdk5, a kinase known to be critical during neuronal migration; phosphorylation of Nudel by cdk5 affects its localization in neurons and affects neuritic morphology (1,3). It is thought that together with Lis1, Nudel regulates cytoplasmic dynein, a large polyprotein complex, in neuronal migration and mitosis through direct interactions (4). Similar interactions are thought to also play a role in membrane traffic in other cells as disruption of Nudel expression through RNA interference perturbed normal endomembrane flux and resulted in the fragmentation of the Golgi apparatus (3).

**Synonyms:**

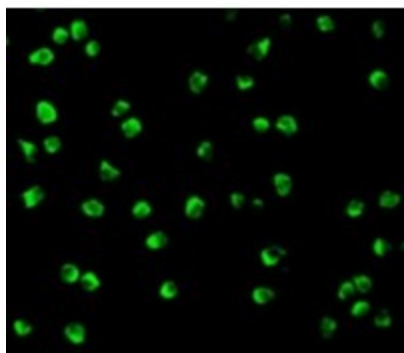
EOPA; MITAP1; NDE1L1; NDE2; NUDEL

**Product images:**


Western blot analysis of Nudel in Jurkat whole cell lysate with Nudel antibody at (A) 0.5, (B) 1, or (C) 2 ug/mL.



Immunocytochemistry of Nudel in Jurkat cells with Nudel antibody at 2 ug/mL.



Immunofluorescence of Nudel in Jurkat cells with Nudel antibody at 10 ug/mL.