Datasheet for ABIN6990394

anti-NDEL1 antibody (N-Term)

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Overview

Quantity:	0.1 mg
Target:	NDEL1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDEL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Nudel antibody was raised against a peptide corresponding to 15 amino acids near the amino terminus of human Nudel. The immunogen is located within the first 50 amino acids of Nudel.
Isotype:	IgG
Purification:	Nudel Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	NDEL1
Alternative Name:	Nudel (NDEL1 Products)
Background:	Nudel Antibody: 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. It was later shown to be a substrate of

Target Details

	cdk5, a kinase known to be critical during neuronal migration, phosphorylation of Nudel by cdk5 affects its localization in neurons and affects neuritic morphology. It is thought that together with Lis1, Nudel regulates cytoplasmic dynein, a large polyprotein complex, in neuronal migration and mitosis through direct interactions. 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.
Gene ID:	81565
UniProt:	Q9GZM8
Pathways:	Regulation of Cell Size

Application Details

Application Notes:	Nudel antibody can be used for detection of Nudel by Western blot at 0.5 - 2 µ,g/mL. Antibody can also be used for immunocytochemistry starting at 2 µ,g/mL. For immunofluorescence start at 10 µ,g/mL. Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Nudel Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	Nudel antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.