

Rabbit anti-Human, Mouse Nudel Polyclonal Antibody | anti-NDEL1 antibody

Nudel Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39258	Rabbit	Human, Mouse	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Nudel; Polyclonal Antibody; Nudel Antibody; EOPA; NDE2; NUDEL; MITAP1; NDE1L1; Nuclear distribution protein nudE-like 1; Mitosin-associated protein 1; Protein Nudel; nudE nuclear distribution gene E homolog (A. nidulans)-like 1; anti-NDEL1 antibody

PRODUCT SPECIFICATIONS

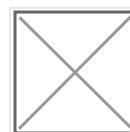
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Nudel Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	345
Applicable Applications for anti-NDEL1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Nudel antibody was raised against a peptide corresponding to 15 amino acids near the amino terminus of human Nudel.
Buffer	Nudel Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Nudel antibody can be stored at 4 degree C for three months and -20 degree 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.

IMAGES



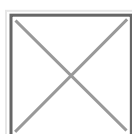
IF (Immunofluorescence)

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



ICC (Immunocytochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-NDEL1 antibody	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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12043569
NCBI GeneID	81565
UniProt Accession #	Q9GZM8; Q86T80; Q8TAR7; Q9UH50; B3KP93; D3DTS0; J3QT32
Molecular Weight	37,039 Da
NCBI Official Full Name	Nudel
NCBI Official Synonym Full Names	nudE neurodevelopment protein 1-like 1
NCBI Official Symbol	NDEL1
NCBI Official Synonym Symbols	EOPA; NDE2; NUDEL; MITAP1; NDE1L1
NCBI Protein Information	nuclear distribution protein nudE-like 1; protein Nudel; endooligopeptidase A; mitotin-associated protein 1; mitotin-associated protein MITAP1; nudE nuclear distribution E homolog-like 1; nudE nuclear distribution gene E homolog-like 1
UniProt Protein Name	Nuclear distribution protein nudE-like 1
UniProt Gene Name	NDEL1
UniProt Synonym Gene Names	EOPA; MITAP1; NUDEL; Protein Nudel
UniProt Entry Name	NDEL1_HUMAN

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.