
Nudel Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253415

Unit: 0.1 mg

Description:

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.

Isotype: Rabbit Ig

Applications: E, WB, ICC

Species Reactivity: H, M

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Nudel

Accession No.: AAF97497

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human Nudel.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; ICC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.