

Nudel Rabbit mAb

Catalog No: #49941



Package Size: #49941-1 50ul #49941-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

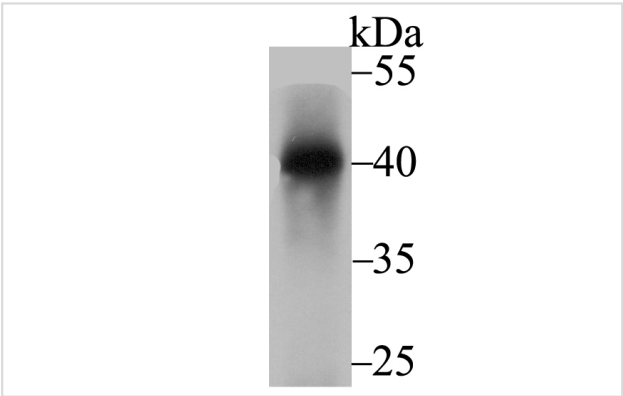
Description

Product Name	Nudel Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG38-63
Purification	ProA affinity purified
Applications	WB,IHC
Species Reactivity	Hu, Ms, Rt
Other Names	A. nidulans antibody   DKFZp451M0318 antibody   ENDOOLIGOPEPTIDASE A antibody   EOPA antibody MITAP 1 antibody   MITAP1 antibody   Mitosin associated protein 1 antibody   Mitosin associated protein MITAP1 antibody   Mitosin-associated protein 1 antibody   Ndel 1 antibody   NDEL1 antibody NDEL1_HUMAN antibody   Nuclear distribution gene E like homolog 1 antibody   Nuclear distribution protein nudE like 1 antibody   Nuclear distribution protein nudE-like 1 antibody   NUDE like protein antibody NudE nuclear distribution gene E homolog like 1 A. nidulans antibody   NudE nuclear distribution gene E homolog like 1 antibody   NUDEL antibody   Protein Nudel antibody
Accession No.	Swiss-Prot#:Q9GZM8
Uniprot	Q9GZM8
GeneID	81565;
Calculated MW	38 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

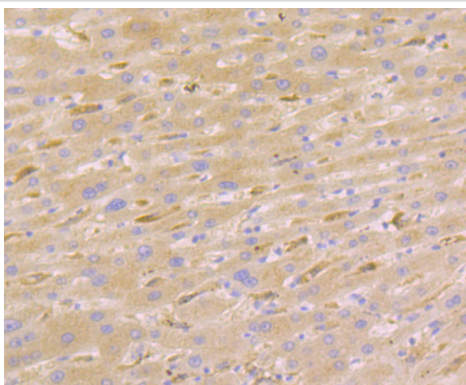
Application Details

WB: 1:500-1:2,000   IHC: 1:50-1:200

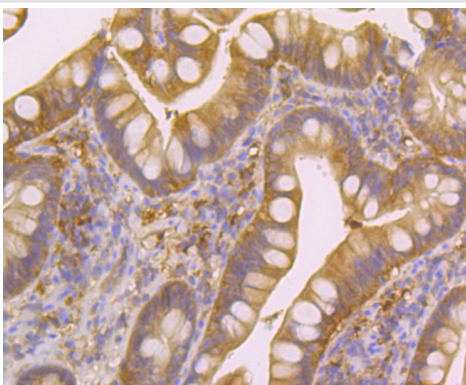
Images



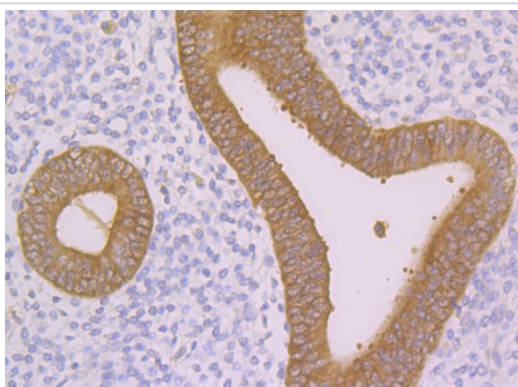
Western blot analysis of Nudel on rat brain tissue lysate using anti-Nudel antibody at 1/2,000 dilution.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Nudel antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue using anti-Nudel antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-Nudel antibody. Counter stained with hematoxylin.

## Background

NudE-like protein (Ndel1) is expressed in the testis, brain, heart, hypothalamus, liver, lung, spleen, and stomach, specifically in the interphase centrosome and mitotic spindle. It positively regulates minus-end directed dynein. Evidence suggests that Ndel1 interacts with LIS1 to sustain the function of dynein, thereby impacting microtubule organization, nuclear translocation, and neuronal positioning. Ndel1 is phosphorylated during mitosis and seems to tether dynactin and dynein to the mother centriole for microtubule anchoring. Loss of function of Ndel1 in the developing neocortex impairs neuronal positioning and uncouples the centrosome and nucleus. Ndel1 may also impair mitochondrial transport or function, initiating a cascade of events culminating in psychiatric illness such as lissencephaly and schizophrenia.

## References

Note: This product is for in vitro research use only