

Rabbit NDE1 Polyclonal Antibody | anti-NDE1 antibody

NDE1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322867	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NDE1; Polyclonal Antibody; NDE1 Antibody; FLJ20101; HOM TES 87; LIS1 interacting protein NUDE1 rat homolog; LIS1 interacting protein NUDE1; LIS4; NDE 1; NDE1_HUMAN; Nuclear distribution gene E homolog 1; Nuclear distribution protein nudE homolog 1; NUDE 1; NudE; NudE nuclear distribution gene E homolog 1 (A. nidulans); NudE nuclear distribution gene E homolog 1; NUDE1; anti-NDE1 antibody

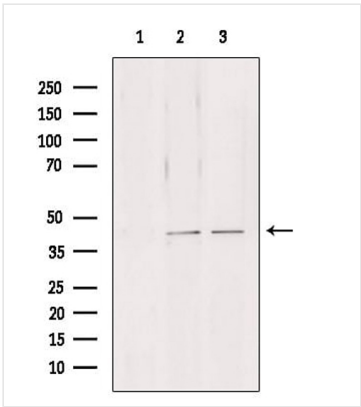
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NDE1 antibody detects endogenous levels of NDE1.
Purity/Purification	Peptide affinity purification
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	335
Applicable Applications for anti-NDE1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NDE1, corresponding to a region within N-terminal amino acids.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA322867 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody



WB (Western Blot)
Western blot analysis of extracts from various samples, using NDE1 antibody. Lane 1: 293 treated with blocking peptide. Lane 2: 293; Lane 3: mouse brain;

ADDITIONAL INFORMATION

Related Product Information for anti-NDE1 antibody	Function: Required for centrosome duplication and formation and function of the mitotic spindle. Essential for the development of the cerebral cortex. May regulate the production of neurons by controlling the orientation of the mitotic spindle during division of cortical neuronal progenitors of the proliferative ventricular zone of the brain. Orientation of the division plane perpendicular to the layers of the cortex gives rise to two proliferative neuronal progenitors whereas parallel orientation of the division plane yields one proliferative neuronal progenitor and a post-mitotic neuron. A premature shift towards a neuronal fate within the progenitor population may result in an overall reduction in the final number of neurons and an increase in the number of neurons in the deeper layers of the cortex. Subunit Structure: Self-associates. Interacts with CNTRL, LIS1, dynein, SLMAP and TCP1 (By similarity). Interacts with CENPF, dynactin, tubulin gamma, PAFAH1B1, PCM1 and PCNT. Interacts with ZNF365. Post-translational Modifications: Phosphorylated in mitosis. Phosphorylated in vitro by CDC2. Phosphorylation at Thr-246 is essential for the G2/M transition (By similarity). Similarity: Belongs to the nudE family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	221316642
NCBI GeneID	54820
NCBI Accession #	NP_001137451.1
NCBI GenBank Nucleotide #	NM_001143979.1
UniProt Accession #	Q9NXR1; Q49AQ2
Molecular Weight	40 kDa
NCBI Official Full Name	nuclear distribution protein nudE homolog 1
NCBI Official Synonym Full Names	nudE neurodevelopment protein 1
NCBI Official Symbol	NDE1
NCBI Official Synonym Symbols	NDE; LIS4; MHAC; NUDE; NUDE1; HOM-TES-87
NCBI Protein Information	nuclear distribution protein nudE homolog 1
UniProt Protein Name	Nuclear distribution protein nudE homolog 1
UniProt Gene Name	NDE1
UniProt Synonym Gene Names	NUDE; NudE

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nde1-antibody-immunohistochemistry-western-blot-elisa/322867>