

Datasheet for ABIN2783161  
**anti-NDE1 antibody (Middle Region)**[Go to Product page](#)[1 Image](#)[1 Publication](#)

## Overview

Quantity:	100 µL
Target:	NDE1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Zebrafish (Danio rerio), Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDE1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NDE1
Sequence:	AHRGPSSSLN TPGSFRRGLD DSTGGTPLTP AARISALNIV GDLLRKVGAL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against NDE1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	NDE1
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## Target Details

Alternative Name:	NDE1 ( <a href="#">NDE1 Products</a> )
Background:	<p>NDE1 is required for centrosome duplication and formation and function of the mitotic spindle. It is essential for the development of the cerebral cortex. NDE1 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</p> <p>Alias Symbols: FLJ20101, HOM-TES-87, NUDE, NUDE1, LIS4</p> <p>Protein Interaction Partner: FAM9B, LZTS2, USHBP1, NDEL1, ZNF398, NDE1, WAC, UBQLN1, MED4, DISC1, TFIP11, CEP250, NDC80, ARNT2, BZRAP1, MKRN3, TTC1, TRIM27, REL, HOXA2, GOLGA2, AR, YWHAQ, PAFAH1B1, ZNF365, YWHAG, TUBG1, MAPK1, CDK1,</p> <p>Protein Size: 335</p>
Molecular Weight:	38 kDa
Gene ID:	54820
NCBI Accession:	<a href="#">NM_017668</a> , <a href="#">NP_060138</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 335 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

## Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:	Craxton: "Evolutionary genomics of plant genes encoding N-terminal-TM-C2 domain proteins and the similar FAM62 genes and synaptotagmin genes of metazoans." in: <b>BMC genomics</b> , Vol. 8, pp. 259, (2007) ( <a href="#">PubMed</a> ).
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## Images



### Western Blotting

**Image 1.** WB Suggested Anti-NDE1 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate NDE1 is supported by BioGPS gene expression data to be expressed in HepG2