Datasheet for ABIN7602401

anti-NDE1 antibody (AA 74-335)

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Overview

Quantity:	100 µg
Target:	NDE1
Binding Specificity:	AA 74-335
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDE1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NDE1 Antibody Picoband®
Immunogen:	E.coli-derived human NDE1 recombinant protein (Position: E74-C335).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NDE1 Antibody Picoband® (ABIN7602401). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NDE1
Alternative Name:	NDE1 (NDE1 Products)
Background:	Synonyms: DNA replication licensing factor MCM5, CDC46 homolog, P1-CDC46, MCM5, CDC46 Tissue Specificity: Ubiquitous. Background: Nuclear distribution protein nudE homolog 1 is a protein that in humans is encoded by the NDE1 gene. This gene encodes a member of the nuclear distribution E (NudE) family of proteins. The encoded protein is localized at the centrosome and interacts with other centrosome components as part of a multiprotein complex that regulates dynein function. This protein plays an essential role in microtubule organization, mitosis and neuronal migration. Mutations in this gene cause lissencephaly 4, a disorder characterized by lissencephaly, severe brain atrophy, microcephaly, and severe cognitive disability. Alternative splicing results in multiple transcript variants.
Molecular Weight:	38 kDa
Gene ID:	54820

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Alkuraya, F. S., Cai, X., Emery, C., Mochida, G. H., Al-Dosari, M. S., Felie, J. M., Hill, R. S., Barry, B. J., Partlow, J. N., Gascon, G. G., Kentab, A., Jan, M., Shaheen, R., Feng, Y., Walsh, C. A. Human mutations in NDE1 cause extreme microcephaly with lissencephaly. Am. J. Hum. Genet. 88: 536-547, 2011. Note: Erratum: Am. J. Hum. Genet. 88: 677 only, 2011. 2. Bakircioglu, M., Carvalho, O. P., Khurshid, M., Cox, J. J., Tuysuz, B., Barak, T., Yilmaz, S., Caglayan, O., Dincer, A., Nicholas, A. K., Quarrell, O., Springell, K., and 11 others. : The essential role of centrosomal NDE1 in human cerebral cortex neurogenesis. Am. J. Hum. Genet. 88: 523-535, 2011. 3. Burdick, K. E., Kamiya, A., Hodgkinson, C. A., Lencz, T., DeRosse, P., Ishizuka, K., Elashvili, S., Arai, H., Goldman, D., Sawa, A., Malhotra, A. K. Elucidating the relationship between DISC1, NDEL1 and NDE1 and the risk for schizophrenia: evidence of epistasis and competitive binding. Hum. Molec. Genet. 17: 2462-2473, 2008.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.