

Datasheet for ABIN7602511
anti-NDEL1 antibody (AA 80-320)



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Overview

Quantity:	100 µg
Target:	NDEL1
Binding Specificity:	AA 80-320
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDEL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NDEL1 Antibody Picoband®
Immunogen:	E.coli-derived human NDEL1 recombinant protein (Position: K80-C320).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NDEL1 Antibody Picoband® (ABIN7602511). 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:	NDEL1
Alternative Name:	NDEL1 (NDEL1 Products)
Background:	Synonyms: Fatty acid-binding protein, liver, Fatty acid-binding protein 1, Liver-type fatty acid-binding protein, L-FABP, Squalene- and sterol-carrier protein, SCP, Z-protein, p14, Fabp1 Tissue Specificity: Expressed in lung cancers, including adenocarcinoma, squamous cell carcinoma and small-cell carcinoma. Widely expressed. Expressed in fetal kidney, liver, lung and brain. In adult highest expression in heart and placenta. Background: Nuclear distribution protein nudE-like 1 is a protein that in humans is encoded by the NDEL1 gene. This gene encodes a coiled-coil protein that plays a role in multiple processes including cytoskeletal organization, cell signaling and neuron migration, outgrowth and maintenance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome X.
Molecular Weight:	38 kDa
Gene ID:	81565
Pathways:	Regulation of Cell Size

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/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. 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. 2. Hayashi, M. A. F., Portaro, F. C. V., Bastos, M. F., Guerreiro, J. R., Oliveira, V., Gorrao, S. S., Tambourgi, D. V., Sant'Anna, O. A., Whiting, P. J., Camargo, L. M., Konno, K., Brandon, N. J., Camargo, A. C. M. Inhibition of NUDEL (nuclear distribution element-like)-oligopeptidase activity by disrupted-in-schizophrenia 1. Proc. Nat. Acad. Sci. 102: 3828-3833, 2005. 3. Mori, D., Yamada, M., Mimori-Kiyosue, Y., Shirai, Y., Suzuki, A., Ohno, S., Saya, H., Wynshaw-Boris, A., Hirotsune, S. An essential role of the aPKC-Aurora A-NDEL1 pathway in neurite elongation by modulation of microtubule dynamics. Nature Cell Biol. 11: 1057-1068, 2009.
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Application Details

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.