Datasheet for ABIN7600175

anti-NDFIP2 antibody (AA 16-336)

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Overview

Quantity:	100 µg
Target:	NDFIP2
Binding Specificity:	AA 16-336
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDFIP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NDFIP2 Antibody Picoband®
Immunogen:	E.coli-derived human NDFIP2 recombinant protein (Position: M16-L336).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NDFIP2 Antibody Picoband® (ABIN7600175). Tested in ELISA, Flow Cytometry, 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:	NDFIP2
Alternative Name:	NDFIP2 (NDFIP2 Products)
Background:	Synonyms: Disintegrin and metalloproteinase domain-containing protein 2,ADAM 2,Cancer/testis antigen 15,CT15,Fertilin subunit beta,PH-30,PH30,PH30-beta,ADAM2,FTNB, Tissue Specificity: Expressed specifically in spermatogenic cells in the seminiferous cells. Not detected in fetal tissues. Background: NEDD4 family-interacting protein 2 is a protein that in humans is encoded by the NDFIP2 gene. The NEDD4 family-interacting protein 1 (NDFIP1) belongs to a small group of evolutionarily conserved proteins with three transmembrane domains and is an integral Golgi membrane protein. It is a potential target for ubiquitination by the Nedd4 family of proteins. NDFIP1 is strongly expressed in surviving neurons following acute cortical brain injury, and overexpression in cultured cortical neurons increased survival following growth factor starvation, suggesting that NDFIP1 may play a role in neuronal survival. NDFIP1 and the related protein NDFIP2 are thought to interact with and regulate multiple components of the EGF and PTEN/Akt signaling pathways. Recent studies suggest that NDFIP1 may also play a role in Th17 differentiation by limiting the production of proinflammatory cytokines.
Molecular Weight:	39 kDa
Gene ID:	54602
Pathways:	Negative Regulation of Transporter Activity, SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Cristillo, A. D., Nie, L., Macri, M. J., Bierer, B. E. Cloning and characterization of N4WBP5A, an inducible, cyclosporine-sensitive, Nedd4-binding protein in human T lymphocytes. J. Biol. Chem. 278: 34587-34597, 2003. 2. Hirosawa, M., Nagase, T., Ishikawa, K., Kikuno, R., Nomura, N., Ohara, O. Characterization of cDNA clones selected by the GeneMark analysis from size-fractionated cDNA libraries from human brain. DNA Res. 6: 329-336, 1999. 3. Konstas, A.-A., Shearwin-Whyatt, L. M., Fotia, A. B., Degger, B., Riccardi, D., Cook, D. I., Korbmacher, C., Kumar, S. Regulation of the epithelial sodium channel by N4WBP5A, a novel Nedd4/Nedd4-2-interacting protein. J. Biol. Chem. 277: 29406-29416, 2002.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 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:	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 freezing and thawing.