Datasheet for ABIN7599981

anti-TTDN1 antibody (AA 135-179)

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Overview

Quantity:	100 µg
Target:	TTDN1 (MPLKIP)
Binding Specificity:	AA 135-179
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TTDN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-MPLKIP Antibody Picoband®
Immunogen:	E.coli-derived human MPLKIP recombinant protein (Position: E135-C179). Human MPLKIP shares 97.7% amino acid (aa) sequence identity with mouse MPLKIP.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-MPLKIP Antibody Picoband® (ABIN7599981). Tested in WB, ICC/IF, ELISA 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:	TTDN1 (MPLKIP)
Alternative Name:	MPLKIP (MPLKIP Products)
Background:	Synonyms: MPLKIP, C7orf11, TTDN1, M-phase-specific PLK1-interacting protein, TTD non-photosensitive 1 protein Background: The protein encoded by this gene localizes to the centrosome during mitosis and to the midbody during cytokinesis. The protein is phosphorylated by cyclin-dependent kinase 1 during mitosis and subsequently interacts with polo-like kinase 1. The protein is thought to function in regulating mitosis and cytokinesis. Mutations in this gene result in nonphotosensitive trichothiodystrophy.
Molecular Weight:	19 kDa
Gene ID:	136647

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL 1. Botta, E., Offman, J., Nardo, T., Ricotti, R., Zambruno, G., Sansone, D., Balestri, P., Raams, A., Kleijer, W. J., Jaspers, N. G. J., Sarasin, A., Lehmann, A. R., Stefanini, M. Mutations in the C7orf11 (TTDN1) gene in six nonphotosensitive trichothiodystrophy patients: no obvious genotype-phenotype relationships. Hum. Mutat. 28: 92-96, 2007. 2. Jackson, C. E., Weiss, L., Watson, J. H. L. 'Brittle' hair with short stature, intellectual impairment and decreased fertility: an autosomal recessive syndrome in an Amish kindred. Pediatrics 54: 201-212, 1974. 3. Nakabayashi, K., Amann, D., Ren, Y., Saarialho-Kere, U., Avidan, N., Gentles, S., MacDonald, J. R., Puffenberger, E. G., Christiano, A. M., Martinez-Mir, A., Salas-Alanis, J. C., Rizzo, R., Vamos, E., Raams, A., Les, C., Seboun, E., Jaspers, N. G. J., Beckmann, J. S., Jackson, C. E., Scherer, S. W. Identification of C7orf11 (TTDN1) gene mutations and genetic heterogeneity in nonphotosensitive trichothiodystrophy. Am. J. Hum. Genet. 76: 510-516, 2005.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

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.