Datasheet for ABIN7599821

anti-Tricellulin antibody (AA 12-496)

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Overview

Quantity:	100 µg
Target:	Tricellulin (MARVELD2)
Binding Specificity:	AA 12-496
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tricellulin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-MARVELD2 Antibody Picoband®
Immunogen:	E.coli-derived human MARVELD2 recombinant protein (Position: R12-H496). Human MARVELD2 shares 87% amino acid (aa) sequence identity with mouse MARVELD2.
Characteristics:	Anti-MARVELD2 Antibody Picoband® (ABIN7599821). Tested in WB, IHC, Flow Cytometry, ELISA applications. This antibody reacts with Human, Rat. 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:	Tricellulin (MARVELD2)
Alternative Name:	MARVELD2 (MARVELD2 Products)
Background:	MARVEL domain-containing protein 2 is a protein that in humans is encoded by the MARVELD2 gene. The protein encoded by this gene is a membrane protein found at the tight junctions between epithelial cells. The encoded protein helps establish epithelial barriers such as those in the organ of Corti, where these barriers are required for normal hearing. Defects in this gene are a cause of deafness autosomal recessive type 49 (DFNB49). Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	64 kDa
Gene ID:	153562
UniProt:	Q8N4S9
Pathways:	Sensory Perception of Sound, Cell-Cell Junction Organization

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Rat Immunohistochemistry, 2-5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Chishti, M. S., Bhatti, A., Tamim, S., Lee, K., McDonald, M.-L., Leal, S. M., Ahmad, W. Splice-site mutations in the TRIC gene underlie autosomal recessive nonsyndromic hearing impairment in Pakistani families. J. Hum. Genet. 53: 101-105, 2008. 2. Ikenouchi, J., Furuse, M., Furuse, K., Sasaki, H., Tsukita, S., Tsukita, S. Tricellulin constitutes a novel barrier at tricellular contacts of epithelial cells. J. Cell Biol. 171: 939-945, 2005. 3. Riazuddin, S., Ahmed, Z. M., Fanning, A. S., Lagziel, A., Kitajiri, S., Ramzan, K., Khan, S. N., Chattaraj, P., Friedman, P. L., Anderson, J. M., Belyantseva, I. A., Forge, A., Riazuddin, S., Friedman, T. B. Tricellulin is a tight-junction protein necessary for hearing. Am. J. Hum. Genet. 79: 1040-1051, 2006.
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

Handling

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.