

Datasheet for ABIN7601775
anti-RMDN3 antibody (AA 45-438)



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Overview

Quantity:	100 µg
Target:	RMDN3 (FAM82A2)
Binding Specificity:	AA 45-438
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RMDN3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-PTPIP51/RMDN3 Antibody Picoband®
Immunogen:	E.coli-derived human PTPIP51/RMDN3 recombinant protein (Position: Q45-R438).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PTPIP51/RMDN3 Antibody Picoband® (ABIN7601775). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, 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:	RMDN3 (FAM82A2)
Alternative Name:	RMDN3 (FAM82A2 Products)
Background:	Synonyms: B-cell differentiation antigen CD72, Lyb-2, CD72, CD72 Tissue Specificity: Pre-B-cells and B-cells but not terminally differentiated plasma cells. Background: Regulator of microtubule dynamics protein 3 (RMDN3), more commonly known as Protein tyrosine phosphatase interacting protein 51 (PTPIP51), is a protein that in humans is encoded by the RMDN3 gene on chromosome 15. Enables microtubule binding activity. Involved in cellular calcium ion homeostasis. Located in several cellular components, including intercellular bridge, mitochondrial outer membrane, and spindle.
Molecular Weight:	55 kDa
Gene ID:	55177

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. De Vos, K. J., Morotz, G. M., Stoica, R., Tudor, E. L., Lau, K.-F., Ackerly, S., Warley, A., Shaw, C. E., Miller, C. C. J. VAPB interacts with the mitochondrial protein PTPIP51 to regulate calcium homeostasis. Hum. Molec. Genet. 21: 1299-1311, 2012. 2. Lv, B. F., Yu, C. F., Chen, Y. Y., Lu, Y., Guo, J. H., Song, Q. S., Ma, D. L., Shi, T. P., Wang, L. Protein tyrosine phosphatase interacting protein 51 (PTPIP51) is a novel mitochondria protein with an N-terminal mitochondrial targeting sequence and induces apoptosis. Apoptosis 11: 1489-1501, 2006. 3. Oishi, K., Okano, H., Sawa H. RMD-1, a novel microtubule-associated protein, functions in chromosome segregation in Caenorhabditis elegans. J. Cell Biol. 179: 1149-1162, 2007. Note: Erratum: J. Cell Biol. 186: 629 only, 2009.
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Restrictions:	For Research Use only
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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 Na ₂ HPO ₄ .
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.