Datasheet for ABIN7602275

anti-Triadin antibody (AA 67-729)

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Overview

Quantity:	100 µg
Target:	Triadin (TRDN)
Binding Specificity:	AA 67-729
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Triadin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Triadin/TRDN Antibody Picoband®
Immunogen:	E.coli-derived human Triadin/TRDN recombinant protein (Position: M67-Q729).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Triadin/TRDN Antibody Picoband® (ABIN7602275). 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:	Triadin (TRDN)
Alternative Name:	TRDN (TRDN Products)
Background:	Synonyms: Disintegrin and metalloproteinase domain-containing protein 28,ADAM 28,3.4.24.-,Epididymal metalloproteinase-like, disintegrin-like, and cysteine-rich protein II,eMDC II,Metalloproteinase-like, disintegrin-like, and cysteine-rich protein L,MDC-L,ADAM28,ADAM23, MDCL, Tissue Specificity: Expressed predominantly in secondary lymphoid tissues, such as lymph node, spleen, small intestine, stomach, colon, appendix and trachea. The lymphocyte population is responsible for expression of this protein in these tissues. Isoform 2 is expressed preferentially in spleen. Background: This gene encodes an integral membrane protein found in skeletal and cardiac muscle. The encoded protein plays a role in skeletal muscle excitation-contraction coupling as part of the calcium release complex and is required for normal skeletal muscle strength. This protein inly links triads and microtubules in skeletal muscle. Mutations in this gene are associated with cardiac arrythmia syndrome and some variants in this gene may be associated with sudden cardiac death.
Molecular Weight:	25 kDa
Gene ID:	10345
UniProt:	Q13061
Pathways:	Negative Regulation of Transporter Activity

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. Altmann, H. M., Tester, D. J., Will, M. L., Middha, S., Evans, J. M., Eckloff, B. W., Ackerman, M. J. Homozygous/compound heterozygous triadin mutations associated with autosomal-recessive long-QT syndrome and pediatric sudden cardiac arrest: elucidation of the triadin knockout syndrome. Circulation 131: 2051-2060, 2015. 2. Chopra, N., Yang, T., Asghari, P., Moore, E. D., Huke, S., Akin, B., Cattolica, R. A., Perez, C. F., Hlaing, T., Knollmann-Ritschel, B. E. C., Jones, L. R., Pessah, I. N., Allen, P. D., Franzini-Armstrong, C., Knollmann, B. C. Ablation of triadin causes loss of cardiac Ca2+ release units, impaired excitation-contraction coupling, and cardiac arrhythmias. Proc. Nat. Acad. Sci. 106: 7636-7641, 2009. 3. Hong, C.-S., Ji, J.-H., Kim, J.

Application Details

	P., Jung, D. H., Kim, D. H. Molecular cloning and characterization of mouse cardiac triadin isoforms. Gene 278: 193-199, 2001.
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.