

Datasheet for ABIN7601481
anti-Calmegin antibody (AA 36-610)



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Overview

Quantity:	100 µg
Target:	Calmegin (CLGN)
Binding Specificity:	AA 36-610
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calmegin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Calmegin/CLGN Antibody Picoband®
Immunogen:	E.coli-derived human Calmegin/CLGN recombinant protein (Position: E36-D610).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Calmegin/CLGN Antibody Picoband® (ABIN7601481). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse, 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:	Calmegin (CLGN)
Alternative Name:	CLGN (CLGN Products)
Background:	<p>Synonyms: Transcription factor MafA, Pancreatic beta-cell-specific transcriptional activator, RIPE3b1 factor, V-maf musculoaponeurotic fibrosarcoma oncogene homolog A, MAFA</p> <p>Tissue Specificity: Preferentially expressed in regulatory T-cells (Tregs).</p> <p>Background: Calmegin, also known as CLGN, is a protein which in humans is encoded by the CLGN gene. Calmegin is a testis-specific endoplasmic reticulum chaperone protein. CLGN may play a role in spermatogenesis and infertility.</p>
Molecular Weight:	93 kDa
Gene ID:	1047
UniProt:	O14967

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Ikawa, M., Nakanishi, T., Yamada, S., Wada, I., Kominami, K., Tanaka, H., Nozaki, M., Nishimune, Y., Okabe, M. Calmegin is required for fertilin alpha/beta heterodimerization and sperm fertility. Dev. Biol. 240: 254-261, 2001. 2. Ikawa, M., Wada, I., Kominami, K., Watanabe, D., Toshimori, K., Nishimune, Y., Okabe, M. The putative chaperone calmegin is required for sperm fertility. Nature 387: 607-611, 1997. 3. Tanaka, H., Ikawa, M., Tsuchida, J., Nozaki, M., Suzuki, M., Fujiwara, T., Okabe, M., Nishimune, Y. Cloning and characterization of the human calmegin gene encoding putative testis-specific chaperone. Gene 204: 159-163, 1997.</p>
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 Na ₂ HPO ₄ .

Handling

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.