

Datasheet for ABIN7602569
anti-SPACA3 antibody (AA 86-215)



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Overview

Quantity:	100 µg
Target:	SPACA3
Binding Specificity:	AA 86-215
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPACA3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-SPACA3 Antibody Picoband®
Immunogen:	E.coli-derived human SPACA3 recombinant protein (Position: E86-F215).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SPACA3 Antibody Picoband® (ABIN7602569). Tested in ELISA, Flow Cytometry, IF, ICC, 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:	SPACA3
Alternative Name:	SPACA3 (SPACA3 Products)
Background:	<p>Synonyms: Pre T-cell antigen receptor alpha, pT-alpha, pTa, pT-alpha-TCR, PTCRA</p> <p>Tissue Specificity: Expressed in immature but not mature T-cells. Also found in CD34+ cells from peripheral blood, CD34+ precursors from umbilical cord blood and adult bone marrow.</p> <p>Background: Sperm acrosome membrane-associated protein 3 is a protein that in humans is encoded by the SPACA3 gene. The protein encoded by this gene is a sperm surface protein that may be involved in adhesion to the egg prior to fertilization. While the encoded protein has significant similarity to lysozyme at the amino acid level, it has no detectable bacteriocidal activity. Several transcript variants encoding different isoforms have been found for this gene.</p>
Molecular Weight:	40 kDa
Gene ID:	124912
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Mandal, A., Klotz, K. L., Shetty, J., Jayes, F. L., Wolkowicz, M. J., Bolling, L. C., Coonrod, S. A., Black, M. B., Diekman, A. B., Haystead, T. A. J., Flickinger, C. J., Herr, J. C. SLLP1, a unique, intra-acrosomal, non-bacteriolytic, c lysozyme-like protein of human spermatozoa. Biol. Reprod. 68: 1525-1537, 2003. 2. Zhang, K., Gao, R., Zhang, H., Cai, X., Shen, C., Wu, C., Zhao, S., Yu, L. Molecular cloning and characterization of three novel lysozyme-like genes, predominantly expressed in the male reproductive system of humans, belonging to the C-type lysozyme/alpha-lactalbumin family. Biol. Reprod. 73: 1064-1071, 2005.</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

Handling

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.