

Datasheet for ABIN7600400
anti-SYCN antibody (AA 19-134)



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Overview

Quantity:	100 µg
Target:	SYCN
Binding Specificity:	AA 19-134
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYCN antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunocytochemistry (ICC), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Purpose:	Anti-SYCN Antibody Picoband®
Immunogen:	E.coli-derived human SYCN recombinant protein (Position: A19-S134). Human SYCN shares 73.9% and 72.2% amino acid (aa) sequence identity with mouse and rat SYCN, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-SYCN Antibody Picoband® (ABIN7602584). Tested in WB, ICC/IF, Flow Cytometry, ELISA 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: SYCN

Alternative Name: SYCN ([SYCN Products](#))

Background: Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody

Tissue Specificity: Expressed in all tissues.

Background: SYCN functions in exocytosis in pancreatic acinar cells regulating the fusion of zymogen granules with each other. SYCN may have a pore-forming activity on membranes and regulate exocytosis in other exocrine tissues.

Molecular Weight: 14 kDa

Gene ID: 342898

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Mouse, Rat
Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
ELISA, 0.1-0.5 µg/mL, -
1. Antonin, W., Wagner, M., Riedel, D., Brose, N., Jahn, R. Loss of the zymogen granule protein syncollin affects pancreatic protein synthesis and transport but not secretion. Molec. Cell. Biol. 22: 1545-1554, 2002. 2. Bach, J. P., Borta, H., Ackermann, W., Faust, F., Borchers, O., Schrader, M. The secretory granule protein syncollin localizes to HL-60 cells and neutrophils. J. Histochem. Cytochem. 54: 877-888, 2006. 3. Edwardson, J. M., An, S., Jahn, R. The secretory

Application Details

	granule protein syncollin binds to syntaxin in a Ca2(+)-sensitive manner. Cell 90: 325-333, 1997.
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.