

Datasheet for ABIN7599653
anti-SYNPO2 antibody (AA 104-1009)



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Overview

Quantity:	100 µg
Target:	SYNPO2
Binding Specificity:	AA 104-1009
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYNPO2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SYNPO2 Antibody Picoband®
Immunogen:	E.coli-derived human SYNPO2 recombinant protein (Position: L104-R1009). Human SYNPO2 shares 79.6% and 78.6% amino acid (aa) sequence identity with mouse and rat SYNPO2, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-SYNPO2 Antibody Picoband® (ABIN7599203). Tested in WB, Flow Cytometry, ELISA 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: SYNPO2

Alternative Name: SYNPO2 ([SYNPO2 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: Myopodin protein, also called Synaptopodin-2 is a protein that in humans is encoded by the SYNPO2 gene. Myopodin is expressed in cardiac, smooth muscle and skeletal muscle, and localizes to Z-disc structures.

Molecular Weight: 160 kDa

Gene ID: 171024

Application Details

Application Notes: Western blot, 0.1-0.25 µg/mL, Human
Flow Cytometry (Fixed), 1-3 µg /1x10⁶ cells, Human
ELISA, 0.1-0.5 µg/mL, -
1. Gao, J., Zhang, H. P., Sun, Y. H., Guo, W. Z., Li, J., Tang, H. W., ... & Zhang, S. J. (2020). Synaptopodin-2 promotes hepatocellular carcinoma metastasis via calcineurin-induced nuclear-cytoplasmic translocation. Cancer letters, 482, 8-18. 2. Ma, L., Zhang, W., Ding, Z., Wu, S. G., Jin, Y., Jiang, N., ... & Chen, X. (2017). Association of a common variant of SYNPO2 gene with increased risk of serous epithelial ovarian cancer. Tumor Biology, 39(2), 1010428317691185. 3. Pompas-Veganzones, N., Sandonis, V., Perez-Lanzac, A., Beltran, M., Beardo, P., Juárez, A., ... &

Application Details

Sanchez-Carbayo, M. (2016). Myopodin methylation is a prognostic biomarker and predicts antiangiogenic response in advanced kidney cancer. Tumor Biology, 37, 14301-14310.

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.