

Datasheet for ABIN7602427
anti-PACSIN1 antibody (AA 76-359)



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Overview

Quantity:	100 µg
Target:	PACSIN1
Binding Specificity:	AA 76-359
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PACSIN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-PACSIN1 Antibody Picoband®
Immunogen:	E.coli-derived human PACSIN1 recombinant protein (Position: Q76-E359). Human PACSIN1 shares 95.8% and 96.5% amino acid (aa) sequence identity with mouse and rat PACSIN1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-PACSIN1 Antibody Picoband® (ABIN7601828). Tested in WB, IHC, 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

Product Details

antibodies are designated as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: PACSIN1

Alternative Name: PACSIN1 ([PACSIN1 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: Protein kinase C and casein kinase substrate in neurons protein 1 is an enzyme that in humans is encoded by the PACSIN1 gene. PACSIN1 was originally identified as a molecular link between membrane trafficking and actin organization. PACSIN1 interacts with vesicle-associated proteins and plays a role in endocytosis and endosomal recycling. In addition, it has a role in actin remodeling and microtubule nucleation.

Molecular Weight: 51 kDa

Gene ID: 29993

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Mouse, Rat

Immunohistochemistry, 2-5 µg/mL, Human, 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. Liu, Y., Lv, K., Li, Z., Yu, A. C. H., Chen, J., Teng, J. PACSIN1, a Tau-interacting protein,

Application Details

regulates axonal elongation and branching by facilitating microtubule instability. J. Biol. Chem. 287: 39911-39924, 2012 2. Modregger, J., DiProspero, N.A., Charles, V., Tagle, D.A., Plomann, M. PACSIN 1 interacts with huntingtin and is absent from synaptic varicosities in presymptomatic Huntington's disease brains. Hum. Molec. Genet. 11: 2547-2558, 2002. 3. Nagase, T., Kikuno, R., Ishikawa, K., Hirose, M., Ohara, O. Prediction of the coding sequences of unidentified human genes. XVI. The complete sequences of 150 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 7: 65-73, 2000.

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.