

Rabbit PACSIN2 Polyclonal Antibody | anti-PACSIN2 antibody

Anti-PACSIN2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19809	Rabbit	Human, Monkey, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

PACSIN2; Polyclonal Antibody; Anti-PACSIN2 Antibody Picoband; Transforming acidic coiled-coil-containing protein 1; Gastric cancer antigen Ga55; Taxin-1; TACC1; KIAA1103; anti-PACSIN2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Isoform 1, isoform 3 and isoform 5 are Ubiquitous. Isoform 2 is strongly expressed in the brain, weakly detectable in lung and colon, and overexpressed in gastric cancer. Isoform 4 is not detected in normal tissues, but strong expression was found in gastric cancer tissues. Down-regulated in a subset of cases of breast cancer.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-PACSIN2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.1-0.25ug/ml, Human, Mouse, Rat, Monkey IHC(Paraffin-embedded Section): 2-5ug/ml, Human ICC/IF: 5ug/ml, Human IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human PACSIN2 recombinant protein (Position: M84-D397).
Subcellular Localization	Cytoplasm, Nucleus, Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, Midbody, Nucleus during interphase. Weakly concentrated at centrosomes during mitosis and colocalizes with AURKC at the midbody during cytokinesis.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Likely involved in the processes that promote cell division prior to the formation of differentiated tissues.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

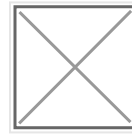


Figure 9. Flow Cytometry analysis of Hela cells using anti-PACSIN2 antibody (AAA19809). Overlay histogram showing Hela cells stained with AAA19809 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PACSIN2 Antibody (AAA19809, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

Figure 8. IF analysis of PACSIN2 using anti-PACSIN2 antibody (AAA19809). PACSIN2 was detected in a paraffin-embedded section of human testicular cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/mL rabbit anti-PACSIN2 Antibody (AAA19809) overnight at 4 degree C. DyLight550 Conjugated Goat Anti-Rabbit IgG (BA1135) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

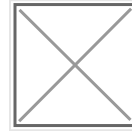


Figure 7. IF analysis of PACSIN2 using anti-PACSIN2 antibody (AAA19809). PACSIN2 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5µg/mL rabbit anti-PACSIN2 Antibody (AAA19809) overnight at 4 degree C. DyLight550 Conjugated Goat Anti-Rabbit IgG (BA1135) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

Figure 6. IF analysis of PACSIN2 using anti-PACSIN2 antibody (AAA19809).PACSIN2 was detected in an immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-PACSIN2 Antibody (AAA19809) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-PACSIN2 Antibody (AAA19809) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-PACSIN2 Antibody (AAA19809) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-PACSIN2 Antibody (AAA19809) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Lane 2: monkey COS-7 whole cell lysates,Lane 3: human placenta tissue lysates,Lane 4: human HepG2 whole cell lysates,Lane 5: rat lung tissue lysates,Lane 6: rat heart tissue lysates,Lane 7: mouse lung tissue lysates,Lane 8: mouse heart tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PACSIN2 antigen affinity purified polyclonal antibody (#AAA19809) at 0.25ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (60-65 kDa.

NCBI AND UNIPROT INFORMATION

NCBI GI #	296841091
NCBI GeneID	11252
NCBI Accession #	NP_001171899.1
NCBI GenBank Nucleotide #	NM_001184970.1
UniProt Accession #	Q9UNF0; O95921; Q96HV9; Q9H0D3; Q9NPN1; Q9Y4V2
Molecular Weight	56kDa
NCBI Official Full Name	protein kinase C and casein kinase substrate in neurons protein 2 isoform A
NCBI Official Synonym Full Names	protein kinase C and casein kinase substrate in neurons 2
NCBI Official Symbol	PACSIN2
NCBI Official Synonym Symbols	SDPII
NCBI Protein Information	protein kinase C and casein kinase substrate in neurons protein 2; syndapin2; syndapin 2; syndapin II; syndapin-II; cytoplasmic phosphoprotein PACSIN2
UniProt Protein Name	Protein kinase C and casein kinase substrate in neurons protein 2
UniProt Gene Name	PACSIN2
UniProt Entry Name	PACN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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