

## Rabbit anti-Human PACSIN2 Polyclonal Antibody | anti-PACSIN2 antibody

PACSIN2 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                       |
|-----------|--------|------------|------------------------------------------------------------------------------------|
| AAA235513 | Rabbit | Human      | Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

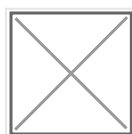
### PRODUCT SYNONYMS

PACSIN2; Polyclonal Antibody; PACSIN2 Antibody; Protein kinase C and casein kinase substrate in neurons protein 2; Syndapin-2; Syndapin-II; anti-PACSIN2 antibody

### PRODUCT SPECIFICATIONS

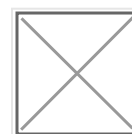
|                                                   |                                                                                                         |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                  |
| Reactivity                                        | Human                                                                                                   |
| Clonality                                         | Polyclonal                                                                                              |
| Isotype                                           | IgG                                                                                                     |
| Purity/Purification                               | >95%, Protein G Purified                                                                                |
| Form/Format                                       | Liquid                                                                                                  |
| Sequence Length                                   | 486                                                                                                     |
| Applicable Applications for anti-PACSIN2 antibody | IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA |
| Immunogen                                         | Recombinant Human Protein kinase C and casein kinase substrate in neurons protein 2 protein (240-410AA) |
| Conjugate                                         | Non-Conjugated                                                                                          |
| Preservative                                      | 0.03% Proclin 300                                                                                       |
| Constituents                                      | 50% Glycerol, 0.01M PBS, pH 7.4                                                                         |
| Immunogen Species                                 | Homo sapiens (Human)                                                                                    |
| Research Area                                     | Signal Transduction                                                                                     |
| Target Names                                      | PACSIN2                                                                                                 |
| Preparation and Storage                           | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                           |

### IMAGES



#### IP (Immunoprecipitation)

Immunoprecipitating PACSIN2 in HepG2 whole cell lysate  
Lane 1: Rabbit control IgG instead of AAA235513 in HepG2 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)  
Lane 2: AAA235513 (6ug) + HepG2 whole cell lysate (500ug)  
Lane 3: HepG2 whole cell lysate (20ug)



#### Application Data

Western Blot  
Positive WB detected in: 293T whole cell lysate, HepG2 whole cell lysate, HL60 whole cell lysate  
All lanes: PACSIN2 antibody at 2.6ug/ml  
Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution  
Predicted band size: 56, 52 kDa  
Observed band size: 56 kDa



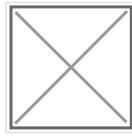
#### IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with AAA235513 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



#### IHC (Immunohistochemistry)

IHC image of AAA235513 diluted at 1:400 and staining in paraffin-embedded human colon cancer performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### IHC (Immunohistochemistry)

IHC image of AAA235513 diluted at 1:400 and staining in paraffin-embedded human breast cancer performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

## ADDITIONAL INFORMATION

#### Related Product Information for anti-PACSIN2 antibody

Lipid-binding protein that is able to promote the tubulation of the phosphatidic acid-containing membranes it preferentially binds. Plays a role in intracellular vesicle-mediated transport. Involved in the endocytosis of cell-surface receptors like the EGF receptor, contributing to its internalization in the absence of EGF stimulus. May also play a role in the formation of caveolae at the cell membrane. Recruits DNM2 to caveolae, and thereby plays a role in caveola-mediated endocytosis.

#### Product Categories/Family for anti-PACSIN2 antibody

[Signal Transduction](#)

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">296841091</a>                                                                                                                           |
| NCBI GeneID                      | <a href="#">11252</a>                                                                                                                               |
| NCBI Accession #                 | <a href="#">NP_001171899.1</a>                                                                                                                      |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001184970.3</a>                                                                                                                      |
| UniProt Accession #              | <a href="#">Q9UNF0</a> ; <a href="#">O95921</a> ; <a href="#">Q96HV9</a> ; <a href="#">Q9H0D3</a> ; <a href="#">Q9NPN1</a> ; <a href="#">Q9Y4V2</a> |
| 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                                                                                   |
| UniProt Protein Name             | Protein kinase C and casein kinase substrate in neurons protein 2                                                                                   |
| UniProt Gene Name                | <b>PACSIN2</b>                                                                                                                                      |

**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.