

## PACSIN2 Antibody (Center) Blocking Peptide

Synthetic peptide Catalog # BP8088c

#### **Specification**

PACSIN2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession <a href="Q9UNFO">Q9UNFO</a>

PACSIN2 Antibody (Center) Blocking Peptide - Additional Information

**Gene ID** 11252

#### **Other Names**

Protein kinase C and casein kinase substrate in neurons protein 2, Syndapin-2, Syndapin-II, PACSIN2

#### Target/Specificity

The synthetic peptide sequence used to generate the antibody <a href=/product/pr oducts/AP8088c>AP8088c</a> was selected from the Center region of human PACSIN2 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

#### **Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

#### **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

#### **Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PACSIN2 Antibody (Center) Blocking Peptide - Protein Information

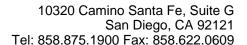
Name PACSIN2

## PACSIN2 Antibody (Center) Blocking Peptide - Background

PACSIN may play a role in vesicle formation and transport. This protein homo- and hetero-aggregates with other PACSINs. It also binds dynamin 1, synaptojanin, synapsin 1 and the neural Wiskott-Aldrich syndrome protein (N-WASP). The protein exhibits a cvesicle-like cytoplasmic distribution and is ubiquitously expressed. PACSIN is phosphorylated by casein kinase 2 (CK2) and protein kinase C (PKC). The protein contains 1 FCH domain and 1 SH3 domain.

### PACSIN2 Antibody (Center) Blocking Peptide - References

Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).Wiemann, S., et al., Genome Res. 11(3):422-435 (2001).Ritter, B., et al., FEBS Lett. 454(3):356-362 (1999).Dunham, I., et al., Nature 402(6761):489-495 (1999).





#### **Function**

Regulates the morphogenesis and endocytosis of caveolae (By similarity). 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.

#### **Cellular Location**

Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Early endosome. Recycling endosome membrane Cell projection, ruffle membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection Membrane, caveola. Note=Detected at the neck of flask-shaped caveolae. Localization to tubular recycling endosomes probably requires interaction with MICALL1 and EHD1

**Tissue Location** Widely expressed.

# PACSIN2 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

• Blocking Peptides