10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# PACSIN2 Antibody
**Purified Mouse Monoclonal Antibody (Mab)**
**Catalog # AM8589b**

## Specification

### PACSIN2 Antibody - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | Q9UNF0 |
| Reactivity | **Human, Mouse** |
| Host | **Mouse** |
| Clonality | **monoclonal** |
| Isotype | **IgG1,k** |
| Calculated MW | **55739** |

### PACSIN2 Antibody - 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**
This PACSIN2 antibody is generated from a mouse immunized with a recombinant protein between 250-486 amino acids from human PACSIN2.

**Dilution**
WB~~1:2000

**Format**
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
PACSIN2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### PACSIN2 Antibody - Protein Information

**Name** PACSIN2

**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 projection Membrane, caveola. Note=Detected at the neck of flask-shaped caveolae. Localization to tubular recycling endosomes probably requires interaction with MICALL1 and EHD1

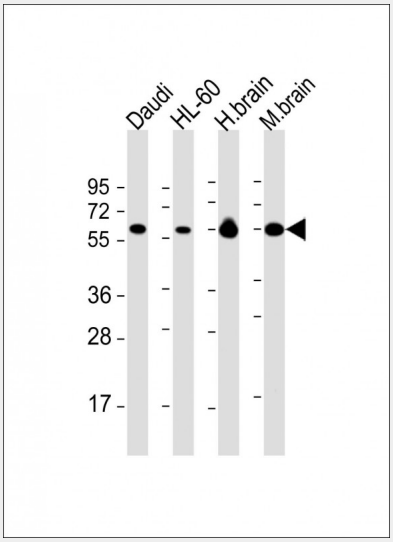
**Tissue Location**
Widely expressed.

## PACSIN2 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## PACSIN2 Antibody - Images




All lanes : Anti-PACSIN2 Antibody at 1:2000 dilution Lane 1: Daudi whole cell lysate Lane 2: HL-60 whole cell lysate Lane 3: human brain lysate Lane 4: mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 56 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

## PACSIN2 Antibody - Background

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.

**PACSIN2 Antibody - References**

Ritter B.,et al.FEBS Lett. 454:356-362(1999).
Wiemann S.,et al.Genome Res. 11:422-435(2001).
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).
Dunham I.,et al.Nature 402:489-495(1999).
Modregger J.,et al.J. Cell Sci. 113:4511-4521(2000).