

## **Goat Anti-PACSIN3 Antibody**

Peptide-affinity purified goat antibody Catalog # AF1775a

# **Specification**

## **Goat Anti-PACSIN3 Antibody - Product Information**

Application WB, E
Primary Accession Q9UKS6

Other Accession <u>NP\_057307</u>, <u>29763</u>, <u>80708 (mouse)</u>, <u>311187</u>

Reactivity
Human
Predicted
Host
Clonality
Concentration

Goat
Cloud (Concentration)

Concentration

Isotype IgG
Calculated MW 48487

#### Goat Anti-PACSIN3 Antibody - Additional Information

## **Gene ID 29763**

# **Other Names**

Protein kinase C and casein kinase substrate in neurons protein 3, SH3 domain-containing protein 6511, PACSIN3

#### **Dilution**

WB~~1:1000 E~~N/A

#### **Format**

0.5 mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

#### **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

### **Precautions**

Goat Anti-PACSIN3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### **Goat Anti-PACSIN3 Antibody - Protein Information**

#### Name PACSIN3

## **Function**



Plays a role in endocytosis and regulates internalization of plasma membrane proteins. Overexpression impairs internalization of SLC2A1/GLUT1 and TRPV4 and increases the levels of SLC2A1/GLUT1 and TRPV4 at the cell membrane. Inhibits the TRPV4 calcium channel activity (By similarity).

#### **Cellular Location**

Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Note=Detected at the inner aspect of the plasma membrane in myotubes.

#### **Tissue Location**

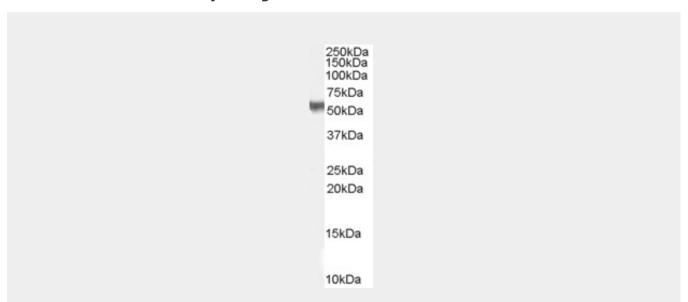
Widely expressed, with highest levels in heart and skeletal muscle, intermediate levels in placenta, liver and pancreas, and very low levels in brain, lung and kidney

### Goat Anti-PACSIN3 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **Goat Anti-PACSIN3 Antibody - Images**



AF1775a staining (1  $\mu$ g/ml) of H460 lysate (RIPA buffer, 35  $\mu$ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

### Goat Anti-PACSIN3 Antibody - Background

This gene is a member of the protein kinase C and casein kinase substrate in neurons family. The encoded protein is involved in linking the actin cytoskeleton with vesicle formation. Alternative splicing results in multiple transcript variants.

## Goat Anti-PACSIN3 Antibody - References





Identification of interaction partners for individual SH3 domains of Fas ligand associated members of the PCH protein family in T lymphocytes. Linkermann A, et al. Biochim Biophys Acta, 2009 Feb. PMID 19041431.

Exploration of human ORFeome: high-throughput preparation of ORF clones and efficient characterization of their protein products. Nagase T, et al. DNA Res, 2008 Jun 30. PMID 18316326. Stimulus-specific modulation of the cation channel TRPV4 by PACSIN 3. D'hoedt D, et al. J Biol Chem, 2008 Mar 7. PMID 18174177.

Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.

Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.