

## **Goat Anti-PACSIN3 Antibody**

Peptide-affinity purified goat antibody Catalog # AF1775a

### **Specification**

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

**Application** WB

**Primary Accession 09UKS6** 

Other Accession NP 057307, 29763, 80708 (mouse), 311187

Reactivity Human Predicted Mouse, Rat Host Goat Clonality **Polyclonal** 

Concentration 100ug/200ul Isotype laG 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

#### **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).



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#### **Cellular Location**

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

#### **Tissue Location**

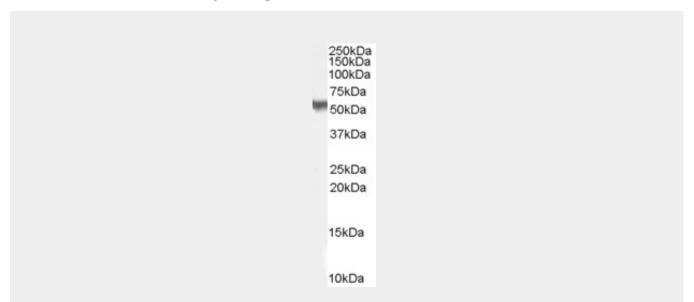
Widely expressed, with highest levels in heart and skeletal muscle, intermediate levels in placenta, liver and pancreas, and very low levels in brain, lung and kidney

## Goat Anti-PACSIN3 Antibody - Protocols

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

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

# Goat Anti-PACSIN3 Antibody - Images



AF1775a staining (1 µg/ml) of H460 lysate (RIPA buffer, 35 µg 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.





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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.