

Goat Anti-PACSIN3 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1775a**Specification**

Goat Anti-PACSIN3 Antibody - Product Information

Application	WB
Primary Accession	Q9UKS6
Other Accession	NP_057307 , 29763 , 80708 (mouse) , 311187 (rat)
Reactivity	Human
Predicted	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
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

Format

0.5 mg IgG/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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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.

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.