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# PACSIN1 (m): 293T Lysate: sc-122348

## BACKGROUND

PACSINs are members of a family of cytoplasmic adapter proteins, which share a conserved C-terminal protein binding SH3 domain and a CDC15-NT domain. PACSIN1-related proteins include syndapin 1 (the rat homolog of PACSIN1), FAP52, EM13 and PSTPIP, all of which seem to be involved in signaling pathways associated with cytoskeletal organization. PACSIN1 expression is restricted to terminally differentiated neural tissue, whereas PACSIN2 is widely expressed. PACSIN2 shows vesicle-like distribution and may be involved in regulating endocytotic processes.

## REFERENCES

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2. Merilainen, J., Lehto, V.P. and Wasenius, V.M. 1997. FAP52, a novel, SH3 domain-containing focal adhesion protein. *J. Biol. Chem.* 272: 23278-23284.
3. Plomann, M., Lange, R., Vopper, G., Cremer, H., Heinlein, U.A., Scheff, S., Baldwin, S.A., et al. 1998. PACSIN, a brain protein that is upregulated upon differentiation into neuronal cells. *Eur. J. Biochem.* 256: 201-211.
4. Wu, Y., Spencer, S.D. and Lasky, L.A. 1998. Tyrosine phosphorylation regulates the SH3-mediated binding of the Wiskott-Aldrich syndrome protein to PSTPIP, a cytoskeletal-associated protein. *J. Biol. Chem.* 273: 5765-5770.
5. Ritter, B., Modregger, J., Paulsson, M. and Plomann, M. 1999. PACSIN2, a novel member of the PACSIN family of cytoplasmic adapter proteins. *FEBS Lett.* 454: 356-362.
6. Qualmann, B., Roos, J., DiGregorio, P.J. and Kelly, R.B. 1999. Syndapin I, a synaptic Dynamin-binding protein that associates with the neural Wiskott-Aldrich syndrome protein. *Mol. Biol. Cell* 10: 501-513.

## CHROMOSOMAL LOCATION

Genetic locus: Pacsin1 (mouse) mapping to 17 A3.3.

## PRODUCT

PACSIN1 (m): 293T Lysate represents a lysate of mouse PACSIN1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## APPLICATIONS

PACSIN1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive PACSIN1 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

## STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.