

PACSIN3 (m): 293T Lysate: sc-127289

BACKGROUND

PACSINs are a family of cytoplasm-resident phosphoproteins that aid in vesicle formation and transport. It is presumed that all isoforms oligomerize and bind Dynamin, Synaptojanin 1 and N-WASP through their Src homology 3 domains. Furthermore, PACSINs co-localize with Dynamin, but not with Clathrin, indicating that the proteins may play a specific role with a defined population of Dynamin at distinct cellular locations. PACSIN3 (protein kinase C and casein kinase substrate in neurons 3) contains a short proline-rich region and lacks asparagine-proline-phenylalanine motifs, which differentiates it from the rest of the PACSIN family. Sequence analysis of cDNAs encoding mouse and human PACSIN3 predict that the human protein consists of 424 amino acids and is 94% identical to the mouse protein. Studies of the mouse protein report predominant expression in mouse lung, skeletal muscle, and heart as well as in brain, kidney and uterus.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: *Pacsin3* (mouse) mapping to 2 E1.

PRODUCT

PACSIN3 (m): 293T Lysate represents a lysate of mouse PACSIN3 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

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.

APPLICATIONS

PACSIN3 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive PACSIN3 antibodies. Recommended use: 10-20 μ l per lane.

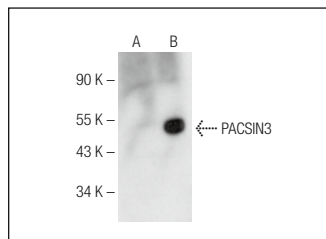
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

PACSIN3 (F-8): sc-373952 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse PACSIN3 expression in PACSIN3 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



PACSIN3 (F-8): sc-373952. Western blot analysis of PACSIN3 expression in non-transfected: sc-117752 (A) and mouse PACSIN3 transfected: sc-127289 (B) 293T whole cell lysates.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.