

LRFN4 (m): 293T Lysate: sc-121393

BACKGROUND

LRFN4 (leucine rich repeat and fibronectin type III domain containing 4), also known as SALM3 or FIGLER6, is a 635 amino acid single-pass type I membrane protein that belongs to the LRFN family. Containing a fibronectin type-III domain, an Ig-like (immunoglobulin-like) domain, a LRRCT domain, a LRRNT domain and seven LRR (leucine-rich) repeats, LRFN4 is thought to promote neurite outgrowth in hippocampal neurons and may play a role in redistributing PSD-95 to the cell periphery. LRFN4 forms heteromeric complexes with LRFN1, LRFN2, LRFN3 and LRFN5, but does not have the ability to form homomeric complexes across cell junctions of adjacent cells like some other LRFN family members. The PDZ-binding motif of LRFN4 is required for neurite outgrowth promotion and for SAP 97-, NE-dlg- and PSD-95-binding. LRFN4 is encoded by a gene located on human chromosome 11q13.2 and mouse chromosome 19 A.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Lrfn4 (mouse) mapping to 19 A.

PRODUCT

LRFN4 (m): 293T Lysate represents a lysate of mouse LRFN4 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

LRFN4 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive LRFN4 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.

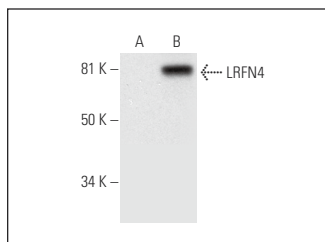
LRFN4 (F-3): sc-393425 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse LRFN4 expression in LRFN4 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:

1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ 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



LRFN4 (F-3): sc-393425. Western blot analysis of LRFN4 expression in non-transfected: sc-117752 (A) and mouse LRFN4 transfected: sc-121393 (B) 293T whole cell lysates.

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 for detailed protocols and support products.