

## JFC1 (h2): 293T Lysate: sc-171478

### BACKGROUND

Synaptotagmins, rabphilin-3A and DOC2 belong to a family of C-terminal type (C-type) tandem C2 proteins and are involved in vesicular trafficking. JFC1, also designated Slp1 (for synaptotagmin-like protein), belong to a unique family of C-type tandem C2 proteins designated Slp. JFC1 contains two N-terminal Slp homology domains (SHD), which each comprise two conserved  $\alpha$ -helical regions, designated SHD1 and SHD2. SHD1 and SHD2 specifically and directly bind the GTP-bound form of Rab 27a. JFC1 also binds phosphatidylinositol 3,4,5-triphosphate-binding ATPase. JFC1 is transcriptionally activated by  $\text{NF-}\kappa\text{B}$  and upregulated by  $\text{TNF}\alpha$  in prostate carcinoma cells. JFC1 associates with the plasma membrane.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: SYTL1 (human) mapping to 1p36.11.

### PRODUCT

JFC1 (h2): 293T Lysate represents a lysate of human JFC1 transfected 293T cells and is provided as 100  $\mu\text{g}$  protein in 200  $\mu\text{l}$  SDS-PAGE buffer.

### RESEARCH USE

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

### APPLICATIONS

JFC1 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive JFC1 antibodies. Recommended use: 10-20  $\mu\text{l}$  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  $-20^{\circ}\text{C}$ . Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

### PROTOCOLS

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