



FRS3 (h3): 293T Lysate: sc-111032

BACKGROUND

FRS3 (fibroblast growth factor receptor substrate 3), also known as FRS2B (FRS2- β), is a 492 amino acid lipid-anchor adapter protein that contains one IRS-type PTB domain. Colocalizing to neural tissues with Tuj1, FRS3 functions as a feedback inhibitor of EGFR family members by preventing heterodimer formation between EGFR and ErbB2, thereby acting as a potential tumor suppressor. FRS3 is phosphorylated upon stimulation by FGF-2 or NGF and, acting as an adapter protein, links c-Fgr and NGF receptors to downstream signaling pathways. Interfering with the phosphorylation and nuclear translocation of ERK-2, FRS3 down-regulates ERK-2 expression. FRS3 likely interacts directly with GRB2, SH-PTP2, Flg, and Trk A, and may be involved in MAP kinase activation.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: FRS3 (human) mapping to 6p21.1.

PRODUCT

FRS3 (h3): 293T Lysate represents a lysate of human FRS3 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

FRS3 (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive FRS3 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.

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.