



Rak (m): 293T Lysate: sc-122951

BACKGROUND

Src is the human homolog of the v-Src gene of the Rous sarcoma virus, also known as avian sarcoma virus or ASV. Src is the first proto-oncogenic non-receptor tyrosine kinase characterized in human. By virtue of common structural motifs, the Src family is composed of nine members in vertebrates, including Src, Yes, Fgr, Frk, Fyn, Lyn, Hck, Lck and Blk. Src-family kinases transduce signals that are involved in the control of a variety of cellular processes, including proliferation, differentiation, motility and adhesion. Src-family kinases contain an amino-terminal cell membrane anchor followed by an SH3 domain (involved in modular association) and an SH2 domain (involved in activation). Rak (also designated GTK, PTK5 and Frk, for Fyn-related kinase) is an epithelial tissue-specific kinase. The human Rak gene maps to chromosome 6q22.1 and encodes a 505 amino acid protein.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Frk (mouse) mapping to 10 B1.

PRODUCT

Rak (m): 293T Lysate represents a lysate of mouse Rak transfected 293T cells and is provided as 100 µg protein in 200 µl 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

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

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.