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Mnk1 (h3): 293 Lysate: sc-177561

BACKGROUND

The MAPKAP kinases (for MAP kinase activated protein kinases) are a group of MAP kinase substrates which are themselves kinases. In response to activation, the MAP kinases phosphorylate downstream components on a consensus Pro-X-Ser/Thr-Pro motif. Several kinases that contain this motif have been identified and serve as substrates for the ERK and p38 MAP kinases. These include the serine/threonine kinases Rsk-1 (also designated MAPKAP Kinase-1), Rsk-2 and Rsk-3, which are phosphorylated by ERK 1 and ERK 2. Similarly p38 phosphorylates and activates the serine/threonine kinases MAPKAP Kinase-2 and MAPKAP Kinase-3 (also designated 3pK). The serine/threonine kinases Mnk1 and Mnk2 are substrates for both ERK and p38 MAP kinases.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: MKNK1 (human) mapping to 1p33.

PRODUCT

Mnk1 (h3): 293 Lysate represents a lysate of human Mnk1 transfected 293 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.

PROTOCOLS

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

APPLICATIONS

Mnk1 (h3): 293 Lysate is suitable as a Western Blotting positive control for human reactive Mnk1 antibodies. Recommended use: 10-20 µl per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

RESEARCH USE

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