

Pan3 (m2): 293T Lysate: sc-122362

BACKGROUND

Pan3 (PAB-dependent poly(A)-specific ribonuclease subunit 3) is a 741 amino acid cytoplasmic protein belonging to the protein kinase superfamily. Containing a protein kinase domain, Pan3 is a component of the Pan nucle-ase complex and recruits polyadenylate-binding protein, which in turn stimu-lates Pan2 nuclease activity. It is suggested that Pan3 may have a functional role in cytoplasmic mRNA decay. Pan3 exists as three isoforms produced by alternative splicing and the gene encoding Pan3 is located on human chro-mosome 13. Chromosome 13 houses over 400 genes, such as BRCA2 and RB1, and comprises nearly 4% of the human genome. Trisomy 13, also known as Patau syndrome, is deadly and the few who survive past one year suffer from permanent neurologic defects, difficulty eating and vulnerability to serious respiratory infections.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Pan3 (mouse) mapping to 5 G3.

PRODUCT

Pan3 (m2): 293T Lysate represents a lysate of mouse Pan3 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

Pan3 (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Pan3 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.

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.