SANTA CRUZ BIOTECHNOLOGY, INC.

SK-N-MC Cell Lysate: sc-2237

BACKGROUND

Santa Cruz Biotechnology offers a variety of whole cell lysates for use in combination with our antibodies as Western Blotting controls. SK-N-MC Whole Cell Lysate is derived from the SK-N-MC cell line using a procedure that ensures protein integrity and lot-to-lot reproducibility. All lysates are tested by Western Blotting to assure that each one contains the expected concentration and assortment of proteins. Numerous antibodies directed against a wide array of mammalian proteins are used to test each lysate.

SK-N-MC is one of two cell lines of neurogenic origin derived by J.L. Biedler. It was isolated in September 1971 and was found to have moderate dopamine-β-hydroxylase activity as well as formaldehyde-induced fluorescence indicative of intracellular catecholamines.

REFERENCES

1. Biedler, J.L., Helson, L. and Spengler, B.A. 1973. Morphology and growth, tumorigenicity, and cytogenetics of human neuroblastoma cells established *in vitro*. In Vitro 8: 410.
2. Fogh, J., Fogh, J.M. and Orfeo, T. 1977. One hundred and twenty-seven cultured human tumor cell lines producing tumors in nude mice. J. Natl. Cancer Inst. 59: 221-226.
3. Seeger, R.C., Rayner, S.A., Banerjee, A., Chung, H., Laug, W.E., Neustein, H.B. and Benedict, W.F. 1977. Morphology, growth, chromosomal pattern and fibrinolytic activity of two new human neuroblastoma cell lines. Cancer Res. 37: 1364-1371.

SOURCE

SK-N-MC Whole Cell Lysate is derived from the SK-N-MC cell line.

Organism:	*Homo sapiens* (human)
Organ:	Brain
Disease:	Neuroepithelioma
Growth Properties:	Adherent

PRODUCT

Each vial contains 500 µg protein in 200 µl of an SDS-PAGE Western Blotting buffer, which consists of 100 µl RIPA Lysis Buffer and 100 µl Electrophoresis Buffer, 2X.

APPLICATIONS

SK-N-MC Whole Cell Lysate is provided as a Western Blotting positive control. Recommended use is 50 µg (20 µl) per lane. Sample vial should be boiled once prior to use.

STORAGE

Store at -20° C; stable for one year from the date of shipment. Non-hazardous. No MSDS required. Minimize repeated freezing and thawing.

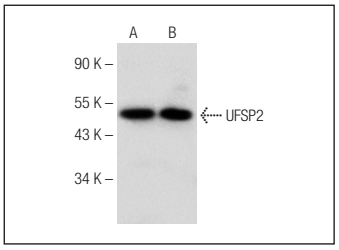
PROTOCOLS

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

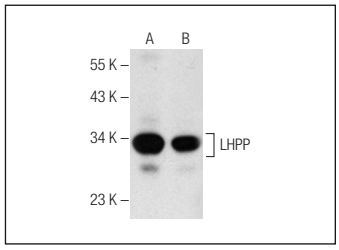
PREPARATION METHOD

Cells are cultured with appropriate media conditions and allowed to reach a confluency of 75%. Cells are lysed using the RIPA Lysis Buffer System (sc-24948). The BCA Protein Assay Kit (sc-202389) is used to determine the total protein concentration. The lysate is adjusted to contain 500 µg of total cellular protein in 100 µl before adding an equal volume of Electrophoresis Sample Buffer, 2X (sc-24945). Final concentration of product is 500 µg total protein in a final volume of 200 µl.

DATA



UFSP2 (C-7): sc-376045. Western blot analysis of UFSP2 expression in HeLa (**A**) and SK-N-MC (**B**) whole cell lysates.



LHPP (B-2): sc-376648. Western blot analysis of LHPP expression in Hep G2 (**A**) and SK-N-MC (**B**) whole cell lysates.

RESEARCH USE

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