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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SANTA CRUZ BIOTECHNOLOGY, INC.

IMR-32 Cell Lysate: sc-2409

BACKGROUND

Santa Cruz Biotechnology offers a variety of whole cell lysates for use in combination with our antibodies as Western Blotting controls. IMR-32 Whole Cell Lysate is derived from the IMR-32 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.

The IMR-32 cell line was established by W.W. Nichols, J. Lee and S. Dwight in April 1967 from an abdominal mass occurring in a 13 month old Caucasian male. The tumor was diagnosed as a neuroblastoma with rare areas of organoid differentiation. Two cell types are present; predominant is a small neuroblast-like cell, the other is a large hyaline fibroblast. The cell line was submitted to the American Type Culture Collection in the 36th passage. It has been demonstrated that the cells can be propagated successfully beyond the 80th serial subculture.

REFERENCES

1. Tumilowicz, J.J., Nichols, W.W., Cholon, J.J. and Greene, A.E. 1970. Definition of a continuous human cell line derived from neuroblastoma. Cancer Res. 30: 2110-2118.
2. Maestrini, E., Tamagnone, L., Longati, P., Cremona, O., Gulisano, M., Bione, S., Tamanini, F., Neel, B.G., Toniolo, D. and Comoglio, P.M.I. 1996. A family of transmembrane proteins with homology to the MET-hepatocyte growth factor receptor. Proc. Natl. Acad. Sci. USA 93: 674-678.
3. Rostomily, R.C., Bermingham-McDonogh, O., Berger, M.S., Tapscott, S.J., Reh, T.A. and Olson, J.M. 1997. Expression of neurogenic basic helix-loop-helix genes in primitive neuroectodermal tumors. Cancer Res. 57: 3526-3531.

SOURCE

IMR-32 Whole Cell Lysate is derived from the IMR-32 cell line.

Organism:	*Homo sapiens* (human)
Organ:	Brain
Disease:	Neuroblastoma
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

IMR-32 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.

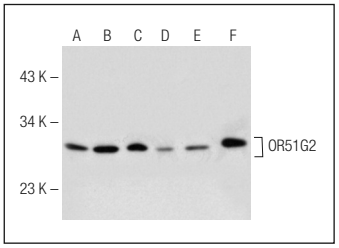
RESEARCH USE

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

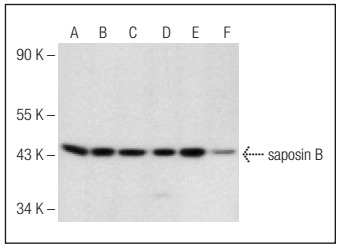
PREPARATION METHOD

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



OR51G2 (N-11): sc-131008. Western blot analysis of OR51G2 expression in HeLa (**A**), Jurkat (**B**), IMR-32 (**C**), Hep G2 (**D**), A-431 (E) and U-87 MG (**F**) whole cell lysates.



saposin B (K-12): sc-27012. Western blot analysis of saposin B expression in Hep G2 (**A**), Jurkat (**B**), U-2 OS (**C**), A-431 (**D**), IMR-32 (**E**) and U-87 MG (**F**) whole cell lysates.

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.