



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

A-431 Whole Cell Lysate: sc-2201

BACKGROUND

Santa Cruz Biotechnology offers a variety of whole cell lysates for use in combination with our antibodies as Western Blotting controls. A-431 Whole Cell Lysate is derived from the A-431 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 epidermoid carcinoma cell line A-431, derived from an 85 year old female, is one of a series of cell lines established from solid tumors by D.J. Giard, et al.

REFERENCES

- Giard, D.J., Aaronson, S.A., Todaro, G.J., Arnstein, P., Kersey, J.H., Dosik, H. and Parks, W.P. 1973. *In vitro* cultivation of human tumors: establishment of cell lines derived from a series of solid tumors. J. Natl. Cancer Inst. 51: 1417-1423.
- Faust, J.B. and Meeker, T.C. 1992. Amplification and expression of the Bcl-1 gene in human solid tumor cell lines. Cancer Res. 52: 2460-2463.
- Kovelman, R., Bilter, G.K., Glezer, E., Tsou, A.Y. and Barbosa, M.S. 1996. Enhanced transcriptional activation by E2 proteins from the oncogenic human papillomaviruses. J. Virol. 70: 7549-7560.

SOURCE

A-431 Whole Cell Lysate is derived from the A-431 cell line.

Organism: *Homo sapiens* (human)
 Organ: Skin
 Tissue: Epidermis
 Disease: Epidermoid carcinoma
 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

A-431 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.

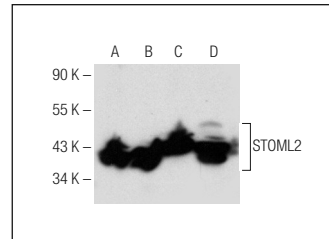
PREPARATION METHOD

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.

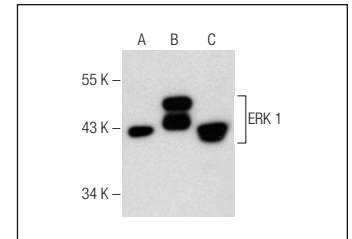
STORAGE

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

DATA



STOML2 (C-3): sc-376165. Western blot analysis of STOML2 expression in HEL 92.1.7 (A), A-431 (B), TF-1 (C) and BT-20 (D) whole cell lysates.



ERK 1 (G-12): sc-376852. Western blot analysis of ERK 1 expression in non-transfected 293T: sc-117752 (A), human ERK 1 transfected 293T: sc-171765 (B) and A-431 (C) whole cell lysates.

SELECT PRODUCT CITATIONS

- Liang, Y., Yan, C. and Schor, N.F. 2001. Apoptosis in the absence of caspase 3. Oncogene 20: 6570-6578.
- Hunter, R.B., Stevenson, E., Koncarevic, A., Mitchell-Felton, H., Essig, D.A. and Kandarian, S.C. 2002. Activation of an alternative NFκB pathway in skeletal muscle during disuse atrophy. FASEB J. 16: 529-538.
- Stegmaier, K., Corsello, S.M., Ross, K.N., Wong, J.S., Deangelo, D.J. and Golub, T.R. 2005. Gefitinib induces myeloid differentiation of acute myeloid leukemia. Blood 106: 2841-2848.
- Lokeshwar, V.B., Estrella, V., Lopez, L., Kramer, M., Gomez, P., Soloway, M.S. and Lokeshwar, B.L. 2006. HYAL1-v1, an alternatively spliced variant of HYAL1 hyaluronidase: a negative regulator of bladder cancer. Cancer Res. 66: 11219-11227.
- Kim, M., Rooper, L., Xie, J., Kajdacsy-Balla, A.A. and Barbolina, M.V. 2012. Fractalkine receptor CX(3)CR1 is expressed in epithelial ovarian carcinoma cells and required for motility and adhesion to peritoneal mesothelial cells. Mol. Cancer Res. 10: 11-24.

RESEARCH USE

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

PROTOCOLS

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