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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.

Caki-1 Cell Lysate: sc-2224

BACKGROUND

Santa Cruz Biotechnology offers a variety of whole cell lysates for use in combination with our antibodies as Western Blotting controls. Caki-1 Whole Cell Lysate is derived from the Caki-1 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.

Caki-1 cell line was established from a 49 year old adult male Caucasian. Ultrastructural features include many microvilli, few filaments, many small mitochondria, well developed Golgi and ER, many lipid droplets and multilaminate bodies, secondary lysosomes and no virus particles.

REFERENCES

1. Fogh, J. 1975. Human Tumor Cells *In Vitro*. New York: Plenum Press.
2. Fogh, J., Wright, W.C. and Loveless, J.D. 1977. Absence of HeLa cell contamination in 169 cell lines derived from human tumors. J. Natl. Cancer Inst. 58: 209-214.
3. 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.

SOURCE

Caki-1 Whole Cell Lysate is derived from the Caki-1 cell line.

Organism:	*Homo sapiens* (human)
Organ:	Kidney
Disease:	Clear cell carcinoma
Derived from metastatic site:	Skin
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

Caki-1 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.

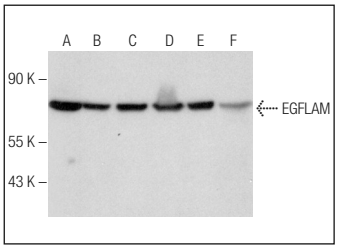
PREPARATION METHOD

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.

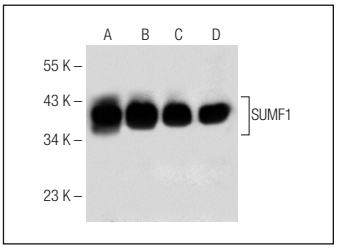
STORAGE

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

DATA



EGFLAM (N-17): sc-137453. Western blot analysis of EGFLAM expression in JEG-3 (**A**), PC-3 (**B**), Caki-1 (**C**), LNCaP (**D**) and DU 145 (**E**) whole cell lysates and human prostate tissue extract (**F**).



SUMF1 (B-9): sc-376035. Western blot analysis of SUMF1 expression in MIA PaCa-2 (**A**), Caki-1 (**B**), Hep G2 (**C**) and HeLa (**D**) whole cell lysates.

SELECT PRODUCT CITATIONS

1. Adibhatla, R.M., Hatcher, J.F., Larsen, E.C., Chen, X., Sun, D. and Tsao, F.H. 2006. CDP-choline significantly restores phosphatidylcholine levels by differentially affecting phospholipase A2 and CTP: phosphocholine cytidylyltransferase after stroke. J. Biol. Chem. 281: 6718-6725.
2. Larsen, E.C., Hatcher, J.F. and Adibhatla, R.M. 2007. Effect of tricyclodecan-9-yl potassium xanthate (D609) on phospholipid metabolism and cell death during oxygen-glucose deprivation in PC12 cells. Neuroscience 146: 946-961.
3. Heebøll, S., Borre, M., Ottosen, P.D., Dyrskjøt, L., Orntoft, T.F. and Tørring, N. 2009. Snail1 is over-expressed in prostate cancer. APMIS 117: 196-204.

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.