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Produktinformation

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

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SANTA CRUZ BIOTECHNOLOGY, INC.

LNCaP Whole Cell Lysate: sc-2231

BACKGROUND

Santa Cruz Biotechnology offers a variety of whole cell lysates for use in combination with our antibodies as Western Blotting controls. LNCaP Whole Cell Lysate is derived from the LNCaP 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.LNCaP clone FGC was isolated in 1977 by J.S. Horoszewicz, et al., from a needle aspiration biopsy of the left supraclavicular lymph node of a 50 year old Caucasian male (blood type B+) with confirmed diagnosis of metastatic prostate carcinoma. These cells are responsive to 5-a-dihydrotestosterone (growth modulation and acid phosphatase production).

REFERENCES

1. 1980. Models for prostate cancer. New York: Liss, 37.
2. Horoszewicz, J.S., et al. 1983. LNCaP model of human prostatic carcinoma. Cancer Res. 43: 1809-1818.
3. Gibas, Z., et al. 1984. A high-resolution study of chromosome changes in a human prostatic carcinoma cell line (LNCaP). Cancer Genet. Cytogenet. 11: 399-404.

SOURCE

LNCaP Whole Cell Lysate is derived from the LNCaP cell line.

Organism:	*Homo sapiens* (human)
Organ:	Prostate
Disease:	Carcinoma
Cell Type:	Epithelial
Growth Properties:	Adherent, single cells and loosely attached clusters

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

LNCaP 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.

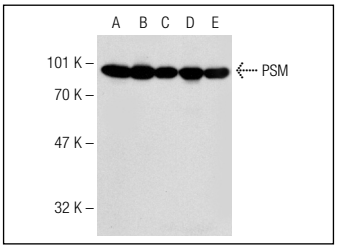
PREPARATION METHOD

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.

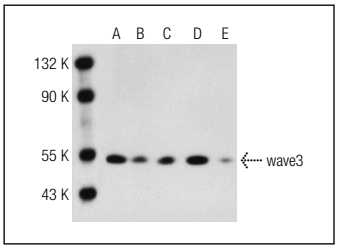
STORAGE

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

DATA



PSM (k1H7): sc-130546. Western blot analysis of PSM expression in LNCaP (**A**), DU 145 (**B**), AT-3 (**C**), Hep G2 (**D**) and Caki-1 (**E**) whole cell lysates.



wave3 (G-20): sc-26500. Western blot analysis of wave3 expression in MCF7 (**A**), MDA-MB-231 (**B**), DU 145 (**C**), LNCaP (**D**) and ES-2 (**E**) whole cell lysates.

SELECT PRODUCT CITATIONS

1. Gatson, J.W., et al. 2006. Dihydrotestosterone differentially modulates the mitogen-activated protein kinase and the phosphoinositide 3-kinase/Akt pathways through the nuclear and novel membrane androgen receptor in C6 cells. Endocrinology 147: 2028-2034.
2. Wang, J., et al. 2009. Genistein mechanisms and timing of prostate cancer chemoprevention in Lobund-Wistar rats. Asian Pac. J. Cancer Prev. 10: 143-150.
3. Vingren, J.L., et al. 2009. Effect of resistance exercise on muscle steroid receptor protein content in strength-trained men and women. Steroids 74: 1033-1039.

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.