SZABO SCANDIC

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# 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

SANTA CRUZ BIOTECHNOLOGY, INC.

# Saos-2 Cell Lysate: sc-2235

## BACKGROUND

Santa Cruz Biotechnology Inc. offers whole cell lysates for use in combination with research antibodies as Western Blotting controls. Saos-2 is a human *(Homo sapiens)* epithelial (adherent) bone osteosarcoma from an 11 year old female patient. Saos-2 cell lysate is derived from cultured Saos-2 cells, using a preparation method (RIPA Lysis Buffer System (sc-24948)), that ensures protein integrity and lot-to-lot reproducibility. Whole cell lysates are tested by Western Blotting in order to ensure each preparation contains a consistent concentration, and assortment of proteins.

## REFERENCES


1. Czekanska, E.M., et al. 2012. In search of an osteoblast cell model for *in vitro* research. Eur. Cell Mater. 24: 1-17.
2. Müller, W.E., et al. 2015. Development of a morphogenetically active scaffold for three-dimensional growth of bone cells: biosilica-alginate hydrogel for Saos-2 cell cultivation. J. Tissue Eng. Regen. Med. 9: E39-E50.
3. David, M.S., et al. 2014. Saos-2 osteosarcoma cells bind fibroblasts via ICAM-1 and this is increased by tumour necrosis factor-α. PLoS One 9: e101202.
4. Wang, X., et al. 2014. Effect of bioglass on growth and biomineralization of Saos-2 cells in hydrogel after 3D cell bioprinting. PLoS One 9: e112497.


## SOURCE

Saos-2 Cell Lysate is derived from the Saos-2 cell line.

| | |
|---|---|
| Organism: | *Homo sapiens* (human) |
| Source: | 11 years / Female |
| Tissue of Origin: | Bone / Osteosarcoma |
| Cell Type: | Epithelial / Hypotriploid / 56 chromosomes per cell |
| 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

Saos-2 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.

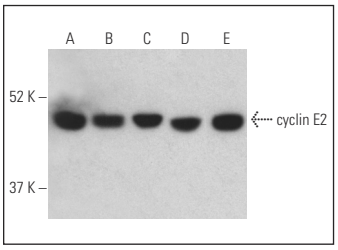
## PREPARATION METHOD

Saos-2 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). BCA Protein Assay 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.

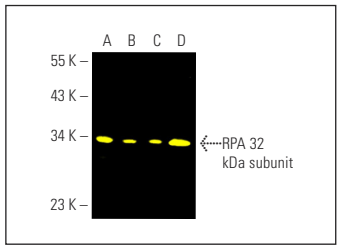
## STORAGE

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

## DATA




cyclin E2 (A-9) HRP: sc-28351 HRP. Direct western blot analysis of cyclin E2 expression in HeLa (**A**), Saos-2 (**B**), MDA-MB-231 (**C**) and 293T (**D**) whole cell lysates and BJAB nuclear extract (**E**).




RPA 32 kDa subunit (9H8) Alexa Fluor® 488: sc-56770 AF488. Direct fluorescent western blot analysis of RPA 32 kDa subunit expression in Saos-2 (**A**), T-47D (**B**), MCF7 (**C**) and HL-60 (**D**) whole cell lysates. Blocked with UltraCruz® Blocking Reagent: sc-516214.

## 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.