



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# WiDr Cell Lysate: sc-24779

## BACKGROUND

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

Although deposited as a colon adenocarcinoma line established from a 78 year old female, DNA fingerprinting has shown the WiDr line to be a derivative of HT-29. The cells are negative for colon antigen 3 expression and positive for keratin by immunoperoxidase staining. WiDr cells expressed p53 antigen (the p53 produced has a G→A mutation resulting in Arg→His at position 273). Growth of WiDR cells is inhibited by tumor necrosis factor  $\alpha$  (TNF- $\alpha$ ). Inhibitors of dihydrofolate reductase are highly cytotoxic to WiDR cells.

## REFERENCES

1. Noguchi, P., Wallace, R., Johnson, J., Earley, E.M., O'Brien, S., Ferrone, S., Pellegrino, M.A., Milstien, J., Needy, C., Browne, W. and Petricciani, J. 1979. Characterization of the WiDR: a human colon carcinoma cell line. *In Vitro* 15: 401-408.
2. Sugarman, B.J., Aggarwal, B.B., Hass, P.E., Figari, I.S., Palladino, M.A. and Shepard, H.M. 1985. Recombinant human tumor necrosis factor- $\alpha$ : effects on proliferation of normal and transformed cells *in vitro*. *Science*. 230: 943-945.
3. Chen, T.R., Drabkowski, D., Hay, R.J., Macy, M. and Peterson, W. 1987. WiDr is a derivative of another colon adenocarcinoma cell line, HT-29. *Cancer Genet. Cytogenet.* 27: 125-134.

## SOURCE

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

Organism: *Homo sapiens* (human)  
Tissue: Colon  
Disease: Colorectal adenocarcinoma  
Cell Type: Epithelial  
Growth Properties: Adherent

## PRODUCT

Each vial contains 500  $\mu$ g protein in 200  $\mu$ l of an SDS-PAGE Western Blotting buffer, which consists of 100  $\mu$ l RIPA Lysis Buffer and 100  $\mu$ l Electrophoresis Buffer, 2X.

## APPLICATIONS

WiDr Cell Lysate is provided as a Western Blotting positive control. Recommended use is 50  $\mu$ g (20  $\mu$ l) per lane. Sample vial should be boiled once prior to use.

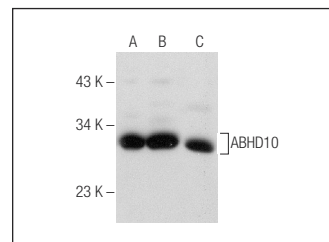
## STORAGE

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

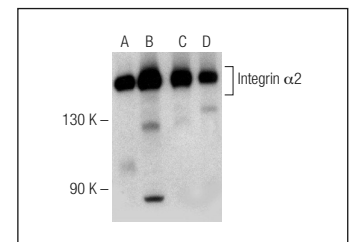
## PREPARATION METHOD

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  $\mu$ g of total cellular protein in 100  $\mu$ l before adding an equal volume of Electrophoresis Sample Buffer, 2X (sc-24945). Final concentration of product is 500  $\mu$ g total protein in a final volume of 200  $\mu$ l.

## DATA



ABHD10 (T-13): sc-99755. Western blot analysis of ABHD10 expression in Y79 (A), WiDR (B) and Hs 732.Sk/Mu (C) whole cell lysates.



Integrin  $\alpha$ 2 (C-9): sc-74466. Western blot analysis of Integrin  $\alpha$ 2 expression in human platelet extract (A), HCT-116 (B), WiDr (C) and HeLa (D) whole cell lysates.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.