

Y79 Cell Lysate: sc-2240

BACKGROUND

Santa Cruz Biotechnology offers a variety of whole cell lysates for use in combination with our antibodies as Western Blotting controls. Y79 Whole Cell Lysate is derived from the Y79 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.

Y79 cell line was established from a 2.5 year old female Caucasian. The Y79 line was isolated by T.W. Reid and associates in January 1971 by explant culture of a primary tumor from the right eye obtained immediately after enucleation. The donor had a strong maternal family history of retinoblastoma. Ultrastructural features including nuclear membrane infoldings, triple membrane structures, microtubules, large coated vesicles, centrioles, basal bodies and annulate lamellae were reportedly similar to those of the original tumor.

REFERENCES

1. Reid, T.W., Albert, D.M., Rabson, A.S., Russell, P., Craft, J., Chu, E.W., Tralka, T.S. and Wilcox, J.L. 1974. Characteristics of an established cell line of retinoblastoma. *J. Natl. Cancer Inst.* 53: 347-360.
2. Wong, H.K. and Ziff, E.B. 1996. The human papillomavirus type 16 E7 protein complements adenovirus type 5 E1A amino-terminus-dependent transactivation of adenovirus type 5 early genes and increases ATF and Oct-1 DNA binding activity. *J. Virol.* 70: 332-340.
3. Rostomily, R.C., Bermingham-McDonogh, O., Berger, M.S., Tapscott, S.J., Reh, T.A. and Olson, J.M. 1997. Expression of neurogenic basic helix-loop-helix genes in primitive neuroectodermal tumors. *Cancer Res.* 57: 3526-3531.

SOURCE

Y79 Whole Cell Lysate is derived from the Y79 cell line.

Organism: *Homo sapiens* (human)
 Organ: Eye
 Tissue: Retina
 Disease: Retinoblastoma
 Growth Properties: Suspension of multicellular 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

Y79 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.

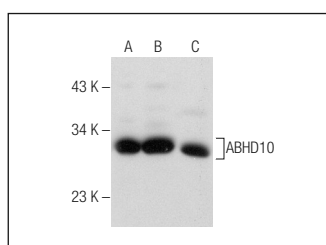
STORAGE

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

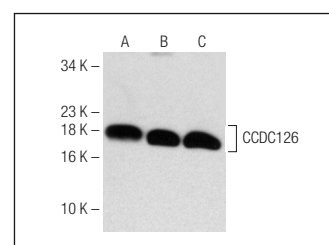
PREPARATION METHOD

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 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.

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.



CCDC126 (G-13): sc-138180. Western blot analysis of CCDC126 expression in mouse placenta tissue extract (A) and JAR (B) and Y79 (C) whole cell lysates.

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.