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BJAB Whole Cell Lysate: sc-2207

BACKGROUND

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

BJABs are a human EBV-negative B cell line that expresses high levels of endogenous Bcl-x. The Bcl-x construct was made in the episomal vector PCEP4 and, therefore, the cells must be maintained in 400 µg/ml of hygromycin at all times.

REFERENCES

- Leppik, L., et al. 2007. *In vivo* and *in vitro* intragenomic rearrangement of TT viruses. *J. Virol.* 81: 9346-9356.
- Skalsky, R.L., et al. 2007. Analysis of viral *cis* elements conferring Kaposi's sarcoma-associated herpesvirus episome partitioning and maintenance. *J. Virol.* 81: 9825-9837.
- Nun, T.K., et al. 2007. Development of a fluorescence-based assay to screen antiviral drugs against Kaposi's sarcoma associated herpesvirus. *Mol. Cancer Ther.* 6: 2360-2370.

SOURCE

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

Organism: *Homo sapiens* (human)
Tissue: Blood
Disease: Burkitt's lymphoma
Growth Properties: Suspension

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

BJAB 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.

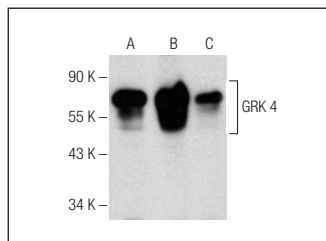
PREPARATION METHOD

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.

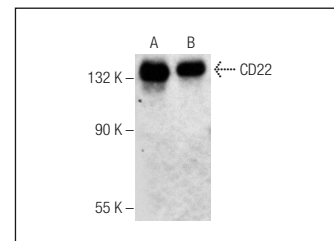
STORAGE

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

DATA



GRK 4 (D-11): sc-376891. Western blot analysis of GRK 4 expression in BJAB (A), F9 (B) and RAW 264.7 (C) whole cell lysates.



CD22 (D-5): sc-271579. Western blot analysis of CD22 expression in BJAB (A) and Ramos (B) whole cell lysates.

SELECT PRODUCT CITATIONS

- Karlsson, A., et al. 2003. Genomically complex lymphomas undergo sustained tumor regression upon MYC inactivation unless they acquire novel chromosomal translocations. *Blood* 101: 2797-2803.
- Wu, T., et al. 2003. Light-induced photoreceptor degeneration may involve the NFκB/caspase-1 pathway *in vivo*. *Brain Res.* 967: 19-26.
- Sarno, J.L., et al. 2005. HOXA10, Pbx2, and Meis1 protein expression in the human endometrium: formation of multimeric complexes on HOXA10 target genes. *J. Clin. Endocrinol. Metab.* 90: 522-528.
- Giuriato, S., et al. 2006. Sustained regression of tumors upon MYC inactivation requires p53 or thrombospondin-1 to reverse the angiogenic switch. *Proc. Natl. Acad. Sci. USA* 103: 16266-16271.
- Wang, X.M., et al. 2007. Rofecoxib modulates multiple gene expression pathways in a clinical model of acute inflammatory pain. *Pain* 128: 136-147.
- Jacobson, E.M., et al. 2007. A CD40 Kozak sequence polymorphism and susceptibility to antibody-mediated autoimmune conditions: the role of CD40 tissue-specific expression. *Genes Immun.* 8: 205-214.
- Beauséjour, A., et al. 2007. Placental oxidative stress in a rat model of preeclampsia. *Placenta* 28: 52-58.

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.