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- Diagnostik & molekulare Diagnostik
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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
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SANTA CRUZ BIOTECHNOLOGY, INC.

Ramos Cell Lysate: sc-2216

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

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

Ramos cell line was established from a 3 year old male Caucasian. The cells are negative for Epstein-Barr virus. The cells have about 1,500 IL-4 binding sites per cell as well as low affinity IgE (CD23) receptors. The cells are reported to secrete IgM (λ light chain).

REFERENCES

1. Klein, G., Giovanella, B., Westman, A., Stehlin, J.S. and Mumford, D. 1975. An EBV-genome-negative cell line established from an American Burkitt lymphoma; receptor characteristics. EBV infectibility and permanent conversion into EBV-positive sublines by *in vitro* infection. Intervirology 5: 319-334.
2. Benjamin, D., Magrath, I.T., Maguire, R., Janus, C., Todd, H.D. and Parsons, R.G. 1982. Immunoglobulin secretion by cell lines derived from African and American undifferentiated lymphomas of Burkitt's and non-Burkitt's type. J. Immunol. 129: 1336-1342.
3. Siegel, J.P. and Mostowski, H.S. 1990. A bioassay for the measurement of human interleukin-4. J. Immunol. Methods 132: 287-295.

SOURCE

Ramos Cell Lysate is derived from the Ramos cell line.

Organism:	*Homo sapiens* (human)
Disease:	Burkitt's lymphoma (American)
Cell Type:	B lymphocyte
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

Ramos 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.

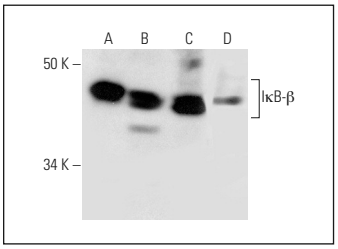
RESEARCH USE

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

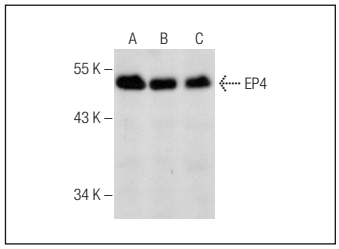
PREPARATION METHOD

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



IκB-β (F-9): sc-390622. Western blot analysis of IκB-β expression in CTLL-2 (**A**), KNRK (**B**), Ramos (**C**) and RAW 264.7 (**D**) whole cell lysates.



EP4 (C-4): sc-55596. Western blot analysis of EP4 expression in Jurkat (**A**), Ramos (**B**) and HISM (**C**) whole cell lysates.

SELECT PRODUCT CITATIONS

1. Heuze-Vourc'h, N., Zhu, L., Krysan, K., Batra, R.K., Sharma, S. and Dubinett, S.M. 2003. Abnormal interleukin 10Rα expression contributes to the maintenance of elevated cyclooxygenase-2 in non-small cell lung cancer cells. Cancer Res. 63: 766-770.
2. Liebler, J.M., Borok, Z., Li, X., Zhou, B., Sandoval, A.J., Kim, K.J. and Crandall, E.D. 2004. Alveolar epithelial type I cells express β2-adrenergic receptors and G-protein receptor kinase 2. J. Histochem. Cytochem. 52: 759-767.
3. Niizuma, K., Endo, H., Nito, C., Myer, D.J., Kim, G.S. and Chan, P.H. 2008. The PIDDosome mediates delayed death of hippocampal CA1 neurons after transient global cerebral ischemia in rats. Proc. Natl. Acad. Sci. USA 105: 16368-16373.
4. Lunde, I.G., Kvaløy, H., Austbø, B., Christensen, G. and Carlson, C.R. 2011. Angiotensin II and norepinephrine activate specific calcineurin-dependent NFAT transcription factor isoforms in cardiomyocytes. J. Appl. Physiol. 111: 1278-1289.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.