SANTA CRUZ BIOTECHNOLOGY, INC.

Bcl-6 (N-3): sc-858

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Bcl-6, a transcriptional repressor, binds Stat recognition-like DNA elements and influences germinal center development and Th1/Th2 differentiation. Bcl-6 negatively regulates NFκB expression, thereby inhibiting NFκB-mediated cellular functions. HDAC- and silent information regulator (SIR)-2-dependent acetylation of Bcl-6 causes downregulation of activity by inhibiting the ability of Bcl-6 to recruit complexes containing histone deacetylases (HDACs). Bcl-6 is frequently deregulated in non-Hodgkin's B cell lymphomas. The human BCL6 gene has been shown to encode a protein of 706 amino acids.

CHROMOSOMAL LOCATION

Genetic locus: BCL6 (human) mapping to 3q27.3; Bcl6 (mouse) mapping to 16 B1.

SOURCE

Bcl-6 (N-3) is a rabbit polyclonal antibody raised against amino acids 3-484 of Bcl-6 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-858 X, 200 µg/0.1 ml.

APPLICATIONS

Bcl-6 (N-3) is recommended for detection of Bcl-6 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Bcl-6 (N-3) is also recommended for detection of Bcl-6 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for Bcl-6 siRNA (h): sc-29791, Bcl-6 siRNA (m): sc-29792, Bcl-6 shRNA Plasmid (h): sc-29791-SH, Bcl-6 shRNA Plasmid (m): sc-29792-SH, Bcl-6 shRNA (h) Lentiviral Particles: sc-29791-V and Bcl-6 shRNA (m) Lentiviral Particles: sc-29792-V.

Bcl-6 (N-3) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of Bcl-6: 95 kDa.

Positive Controls: Ramos whole cell lysate: sc-2216, NAMALWA whole cell lysate: sc-2234 or RAW 264.7 whole cell lysate: sc-2211.

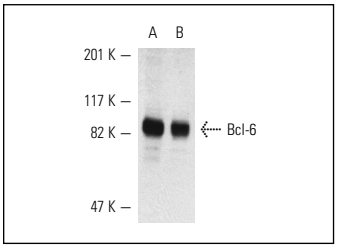
STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

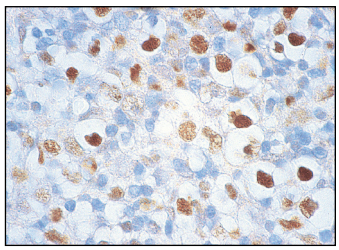
RESEARCH USE

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

DATA



Bcl-6 (N-3): sc-858. Western blot analysis of Bcl-6 expression in Ramos (**A**) and NAMALWA (**B**) whole cell lysates.



Bcl-6 (N-3): sc-858. Immunoperoxidase staining of formalin-fixed, paraffin-embedded human lymphoma showing nuclear staining.

SELECT PRODUCT CITATIONS

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2. Shore, A. and White, P. 2006. Epstein-Barr virus represses the FoxO1 transcription factor through latent membrane protein 1 and latent membrane protein 2A. J. Virol. 80: 11191-11199.
3. Batlle, A., et al. 2009. CD40 and B-cell receptor signalling induce MAPK family members that can either induce or repress Bcl-6 expression. Mol. Immunol. 46: 1727-1735.
4. Sarosiek, K.A., et al. 2010. Novel IL-21 signaling pathway up-regulates c-Myc and induces apoptosis of diffuse large B-cell lymphomas. Blood 115: 570-580.
5. Basso, K., et al. 2010. Integrated biochemical and computational approach identifies Bcl-6 direct target genes controlling multiple pathways in normal germinal center B cells. Blood 115: 975-984.
6. Yamamoto, Y., et al. 2010. BCOR as a novel fusion partner of retinoic acid receptor α in a t(X;17)(p11;q12) variant of acute promyelocytic leukemia. Blood 116: 4274-4283.
7. Miyauchi, Y., et al. 2010. The Blimp1-Bcl6 axis is critical to regulate osteoclast differentiation and bone homeostasis. J. Exp. Med. 207: 751-762.
8. Sevilla, L.M., et al. 2010. Glucocorticoid receptor regulates overlapping and differential gene subsets in developing and adult skin. Mol. Endocrinol. 24: 2166-2178.
9. Victora, G.D., et al. 2012. Identification of human germinal center light and dark zone cells and their relationship to human B-cell lymphomas. Blood 120: 2240-2248.