**Bcl-6 (H-12): sc-365618**

**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.

**REFERENCES**


**CHROMOSOMAL LOCATION**

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

**SOURCE**

Bcl-6 (H-12) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 679-706 at the C-terminus of Bcl-6 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG1, kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-365618 X, 200 µg/0.1 ml.

Bcl-6 (H-12) is available conjugated to agarose (sc-365618 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-365618 HRP), 200 µg/ml, for WB, HICP and ELISA; to either phycoerythrin (sc-365618 PE), fluorescein (sc-365618 FITC), Alexa Fluor® 488 (sc-365618 AF488), Alexa Fluor® 546 (sc-365618 AF546), Alexa Fluor® 594 (sc-365618 AF594) or Alexa Fluor® 647 (sc-365618 AF647), 200 µg/ml, for WB (RGB), IF, HICP and FCM; and to either Alexa Fluor® 680 (sc-365618 AF680) or Alexa Fluor® 790 (sc-365618 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

Blocking peptide available for competition studies, sc-365618 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

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**APPLICATIONS**

Bcl-6 (H-12) is recommended for detection of Bcl-6 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Bcl-6 (H-12) 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 (H-12) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of Bcl-6: 95 kDa.

Positive Controls: Ramos cell lysate: sc-2216, BJAB whole cell lysate: sc-2207 or Raji whole cell lysate: sc-364236.

**DATA**

Bcl-6 (H-12): sc-365618. Western blot analysis of Bcl-6 expression in BJAB(A) and Raji (B) whole cell lysates.

Bcl-6 (H-12): sc-365618. Western blot analysis of Bcl-6 expression in Ramos whole cell lysate.

**SELECT PRODUCT CITATIONS**


**STORAGE**

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