**BACKGROUND**

Bcl-6, a transcriptional repressor, can promote or inhibit apoptosis depending on the cell type and also plays an important role in normal immune responses. Bcl-6 negatively regulates NFκB expression, thereby inhibiting NFκB-mediated cellular functions and is frequently found to be deregulated in non-Hodgkin’s lymphoma. BCoR (Bcl-6 corepressor) is a 1,755 amino acid protein that associates with histone deacetylases (HDACs) to transcriptionally repress Bcl-6. With ubiquitous expression, BCoR is localized to the nucleus where it interacts with other proteins through its three ANK repeat domains. Mutations in the gene encoding BCoR result in microphthalmia with associated anomalies 2, also known as anophthalmia, which is characterized by variable features, such as renal aplasia, mental retardation, hypospadias, microencephaly and cryptorchidism. There are four isoforms of BCoR which are produced as a result of alternative splicing events.

**CHROMOSOMAL LOCATION**

Genetic locus: BCOR (human) mapping to Xp11.4.

**SOURCE**

BCoR (C-10) is a mouse monoclonal antibody raised against amino acids 1-300 mapping at the N-terminus of BCoR 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.

BCoR (C-10) is available conjugated to agarose (sc-514576 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-514576 HRP), 200 µg/ml, for WB, IHC (P) and ELISA; to either phycoerythrin (sc-514576 PE), fluorescein (sc-514576 FITC), Alexa Fluor® 488 (sc-514576 AF488), Alexa Fluor® 546 (sc-514576 AF546), Alexa Fluor® 594 (sc-514576 AF594) or Alexa Fluor® 647 (sc-514576 AF647), 200 µg/ml, for WB (RGB), IF, IHC (P) and FCM; and to either Alexa Fluor® 680 (sc-514576 AF680) or Alexa Fluor® 790 (sc-514576 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

**APPLICATIONS**

BCoR (C-10) is recommended for detection of BCoR of 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).

Suitable for use as control antibody for BCoR siRNA (h): sc-72635, BCoR shRNA Plasmid (h): sc-72635-SH and BCoR shRNA (h) Lentiviral Particles: sc-72635-V.

Molecular Weight of BCoR: 192 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200 or Y79 cell lysate: sc-2240.

**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**

**SELECT PRODUCT CITATIONS**


**PROTOCOLS**

See our website at www.scbt.com for detailed protocols and support products.

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