

Bcl-9L (Q-18): sc-103403

BACKGROUND

Bcl-9L (B-cell CLL/lymphoma 9-like), also known as DLNB11, is a 1,499 amino acid protein that localizes to the nucleus and contains a specialized C-terminal domain that is important for its overall activity. Expressed in breast tissue, as well as in eye, lung, prostate and various carcinomas, Bcl-9L functions as a transcriptional activator that forms a complex with Parafibromin and β -catenin and is thought to promote the transcriptional activity of Parafibromin and enhance the neoplastic transforming activity of β -catenin. Bcl-9L exists as multiple alternatively spliced isoforms and is thought to be involved in tumorigenesis, possibly playing a role in tumor transformation and metastasis. The gene encoding Bcl-9L maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that map to chromosome 11.

REFERENCES

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3. Brembeck, F.H., et al. 2004. Essential role of Bcl9-2 in the switch between β -catenin's adhesive and transcriptional functions. *Genes Dev.* 18: 2225-2230.
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CHROMOSOMAL LOCATION

Genetic locus: BCL9L (human) mapping to 11q23.3; Bcl9l (mouse) mapping to 9 A5.2.

SOURCE

Bcl-9L (Q-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Bcl-9L of human origin.

STORAGE

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

PRODUCT

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

Blocking peptide available for competition studies, sc-103403 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-103403 X, 100 μ g/0.1 ml.

APPLICATIONS

Bcl-9L (Q-18) is recommended for detection of Bcl-9L of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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-9L (Q-18) is also recommended for detection of Bcl-9L in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for Bcl-9L siRNA (h): sc-96389, Bcl-9L siRNA (m): sc-105118, Bcl-9L shRNA Plasmid (h): sc-96389-SH, Bcl-9L shRNA Plasmid (m): sc-105118-SH, Bcl-9L shRNA (h) Lentiviral Particles: sc-96389-V and Bcl-9L shRNA (m) Lentiviral Particles: sc-105118-V.

Bcl-9L (Q-18) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of Bcl-9L: 157 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

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.