

Bcl-9 (H-250): sc-68915

BACKGROUND

Bcl-9 (B cell CLL/lymphoma 9 protein) is a nuclear protein encoded by the human gene Bcl9. Bcl-9 belongs to the BCL9 family and is involved in the Wnt signaling pathway. The Wnt signaling pathway controls numerous cell fates during animal development. A malfunction in Wnt signaling activity can lead to cancer in many human tissues. A key effector of the canonical Wnt pathway is β -catenin (or *Drosophila* armadillo), a highly unstable phosphorylated protein that shuttles rapidly between nucleus and cytoplasm. A nuclear complex, consisting of Bcl-9/Bcl-9_L, β -catenin and other proteins, activates transcription of several Wnt target genes, including FGF-20, WISP-1, Myc and Glucagon.

CHROMOSOMAL LOCATION

Genetic locus: BCL9 (human) mapping to 1q21.2 ; Bcl9 (mouse) mapping to 3 F2.1

SOURCE

Bcl-9 (H-250) is a rabbit polyclonal antibody raised against amino acids 521-770 mapping within an internal region of BCL-9 of human origin.

PRODUCT

Each vial contains 200 μ g IgG 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-68915 X, 200 μ g/0.1 ml.

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.

APPLICATIONS

Bcl-9 (H-250) is recommended for detection of Bcl-9 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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-9 (H-250) is also recommended for detection of Bcl-9 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for Bcl-9 siRNA (h): sc-72629, Bcl-9 siRNA (m): sc-72630, Bcl-9 shRNA Plasmid (h): sc-72629-SH, Bcl-9 shRNA Plasmid (m): sc-72630-SH, Bcl-9 shRNA (h) Lentiviral Particles: sc-72629-V and Bcl-9 shRNA (m) Lentiviral Particles: sc-72630-V.

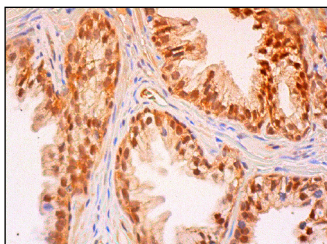
Bcl-9 (H-250) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of Bcl-9: 150 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941. 4) Immunohistochemistry: use ImmunoCruz™: sc-2051 or ABC: sc-2018 rabbit IgG Staining Systems.

DATA



Bcl-9 (H-250): sc-68915. Immunoperoxidase staining of formalin fixed, paraffin-embedded human prostate tissue showing nuclear staining of glandular cells.

PROTOCOLS

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

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Try **Bcl-9 (B-4): sc-398131** or **Bcl-9 (2071C3a): sc-81199**, our highly recommended monoclonal alternatives to Bcl-9 (H-250).