

Bcl-9 (2071C3a): sc-81199

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-9L, β -catenin and other proteins, activates transcription of several Wnt target genes, including FGF-20, WISP-1, Myc and Glucagon.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: BCL9 (human) mapping to 1q21.1.

SOURCE

Bcl-9 (2071C3a) is a mouse monoclonal antibody raised against a recombinant protein corresponding to the N-terminal region of Bcl-9 of human origin.

RESEARCH USE

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

PRODUCT

Each vial contains 100 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 1.0% stabilizer protein.

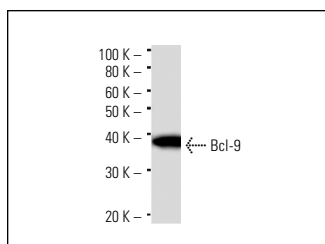
APPLICATIONS

Bcl-9 (2071C3a) is recommended for detection of Bcl-9 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)].

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

Molecular Weight of Bcl-9: 150 kDa.

DATA



Bcl-9 (2071C3a): sc-81199. Western Blot analysis of human recombinant Bcl-9 fusion protein.

SELECT PRODUCT CITATIONS

1. Sun, Z., Jian, Y., Fu, H. and Li, B. 2018. MiR-532 downregulation of the Wnt/ β -catenin signaling via targeting Bcl-9 and induced human intervertebral disc nucleus pulposus cells apoptosis. *J. Pharmacol. Sci.* 138: 263-270.

STORAGE

For immediate and continuous use, store at 4° C for up to one month. For sporadic use, freeze in working aliquots in order to avoid repeated freeze/thaw cycles. If turbidity is evident upon prolonged storage, clarify solution by centrifugation.

PROTOCOLS

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