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BCL9 Rabbit pAb

Catalog # AP97079

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	O00512
Other Accession	O00512
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	149290
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BCL9
Epitope Specificity	51-150/1426
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the BCL9 family.
SUBUNIT	Binds to beta-catenin (CTNNB1), PYGO1 and PYGO2.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
DISEASE	Note=A chromosomal aberration involving BCL9 is found in a patient with precusor B-cell acute lymphoblastic leukemia (ALL). Translocation t(1;14)(q21;q32). This translocation leaves the coding region intact, but may have pathogenic effects due to alterations in the expression level of BCL9. Several cases of translocations within the 3'-UTR of BCL9 have been found in B-cell malignancies.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Bcl-9L 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 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 maps to chromosome 11.

Additional Information

Gene ID	607
Other Names	LGS; 2610202E01Rik; 8030475K17Rik; A330041G23Rik; Gm130; BCL9_HUMAN; BCL9; B-cell lymphoma 9 protein; Bcl-9; Protein legless homolog; Q1JQ81_HUMAN; Q5T489_HUMAN; BCL9_MOUSE; BCL9 transcription coactivator; B cell CLL/lymphoma 9; BCL9, transcription coactivator
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	BCL9
Function	Involved in signal transduction through the Wnt pathway. Promotes beta-catenin's transcriptional activity (By similarity).
Cellular Location	Nucleus.
Tissue Location	Detected at low levels in thymus, prostate, testis, ovary and small intestine, and at lower levels in spleen, colon and blood

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.