Revision 1

Store at -20C

#13325

Phospho-BCL9L (Ser915) Antibody

Cell Signaling TECHNOLOGY®

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H	Endogenous	200	Rabbit	#Q86UU0	283149

Product Usage Information

Application	Dilution
Western Blotting	1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.

Specificity/Sensitivity

Phospho-BCL9L (Ser915) Antibody recognizes endogenous levels of BCL9L protein only when phosphorylated at Ser915.

Species predicted to react based on 100% sequence homology

Mouse, Rat

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser915 of human BCL9L protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

B-cell CLL/lymphoma 9-like protein (BCL9L, BL2, Bcl9-2, DLNB11) is a transcriptional activator that was originally identified *in silico* based on homology to BCL9 (1). BCL9L was subsequently found to play an important role in Wnt/β-catenin signaling by interacting with β-catenin and enhancing the transactivation potential of the β-catenin/TCF complex (2). Research studies show that BCL9L can increase the tumorigenic effect of aberrant Wnt signaling in some cases of colorectal cancer (2). Expression of BCL9L is correlated with tumor progression in colorectal (3) and breast cancer (4). Targeted deletion of BCL9 and BCL9L in the intestinal epithelium resulted in abrogation of Wnt target genes, including those controlling epithelial-mesenchymal transition and stem-cell like properties (5). Phospho-BCL9L (Ser915) Antibody is directed at a site that was identified at Cell Signaling Technology (CST) using PhosphoScan®, CST's LC-MS/MS platform for modification site discovery. Phosphorylation at Ser915 was discovered using an AMPK substrate antibody. Please visit PhosphoSitePlus®, CST's modification site knowledgebase, at www.phosphosite.org for more information.

Background References

1. Katoh, M. and Katoh, M. (2003) *Int J Mol Med* 12, 643-9.
2. Adachi, S. et al. (2004) *Cancer Res* 64, 8496-501.
3. Sakamoto, I. et al. (2007) *Cancer Sci* 98, 83-7.
4. Toya, H. et al. (2007) *Cancer Sci* 98, 484-90.
5. Deka, J. et al. (2010) *Cancer Res* 70, 6619-28.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human

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Limited Uses

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