

Bcl-xL Blocking Peptide

100 µg



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For Research Use Only. Not For Use In Diagnostic Procedures.

Description: This peptide is used to block Bcl-xL (54H6) Rabbit mAb #2764.

Background: Bcl-xL prevents apoptosis through two different mechanisms: heterodimerization with an apoptotic protein inhibits its apoptotic effect (1,2) and formation of mitochondrial outer membrane pores help maintain a normal membrane state under stressful conditions (3). Bcl-xL is phosphorylated by JNK following treatment with microtubule-damaging agents such as paclitaxel, vinblastine and nocodazole (4,5).

Quality Control: The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry. The peptide blocks Bcl-xL (54H6) Rabbit mAb #2764 in peptide dot blot.

Directions for Use: Use as a blocking reagent to evaluate the specificity of antibody reactivity in peptide dot blot protocols. Recommended antibody dilutions can be found on the Bcl-xL (54H6) Rabbit mAb #2764 data sheet.

Entrez-Gene ID #598

UniProt ID # Q07817

Storage: Supplied in 20 mM potassium phosphate (pH 7.0), 50 mM NaCl, 0.1 mM EDTA, 1 mg/ml BSA, 5% glycerol, and 1% DMSO. Store at -20°C.

For product specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended complementary products.

Background References:

- (1) Adams, J.M. and Cory, S. (1998) *Science* 281, 1322–1326.
- (2) Minn, A.J. et al. (1999) *EMBO. J.* 18, 632–643.
- (3) Vander Heiden, M.G. et al. (2001) *J. Biol. Chem.* 276, 19414–19419.
- (4) Fan, M. et al. (2000) *J. Biol. Chem.* 275, 29980–29985.
- (5) Poruchynsky, M.S. et al. (1998) *Cancer Res.* 58, 3331–3338.