

**AP00094CP-N****Bcl-xL Blocking Peptide****Alternate names:**

BCL2L, BCL2L1, BCLX, Bcl-2-like protein 1, Bcl-x, Bcl2-L-1, bcl-xL, bcl-xS

**Quantity:**

50 µg

**Concentration:**

0.2 mg/ml

**Background:**

BCL2L1 belongs to the Bcl2 protein family. Bcl2 family members form hetero or homodimers and act as anti or pro apoptotic regulators that are involved in a wide variety of cellular activities. The proteins encoded by this gene are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Two alternatively spliced transcript variants, which encode distinct isoforms, have been reported. The longer isoform acts as an apoptotic inhibitor and the shorter form acts as an apoptotic activator.

**Uniprot ID:**[Q07817](#)**NCBI:**[9606](#)**Format:****State:** Liquid peptide**Buffer System:** PBS, pH 7.2, containing 0.1% BSA and 0.02% thimerosal**Applications:**

Western blot: It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

Control peptide for antibody AP00094PU-N only.

**Storage:**

Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.