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AP00056CP-N BID Control Peptide

Alternate names: BH3-interacting domain death agonist, p22 BID

Quantity: 50 µg

Concentration: 0.2 mg/ml

Background: Bid, a BH3 domain containing proapoptotic Bcl2 family member, is localized in the cytosolic fraction of cells as an inactive precursor. Its active form is generated upon proteolytic cleavage by caspase 8 in the Fas signaling pathway. Cleaved Bid translocates to mitochondria and releases its potent proapoptotic activity, which in turn induces cytochrome c release and mitochondrial damage. The cytochrome c releasing activity of Bid was antagonized by Bcl2. Mutation in the SH3 domain can diminish the cytochrome c releasing activity. In animal model studies, Bid deficient mice are found resistant to the lethal effects of death factor signals relayed through Fas.

Uniprot ID: P55957

NCBI: NP_001187.1

GeneID: 637

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 AP00056PU-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.