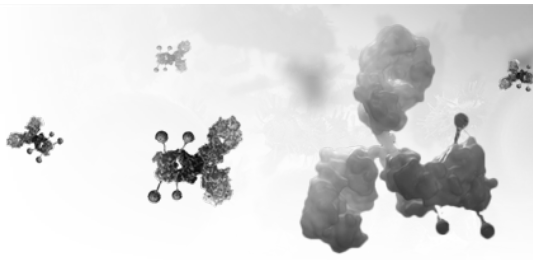

BAD blocking peptide (CDBP5152)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the BCL-2 family. BCL-2 family members are known to be regulators of programmed cell death. This protein positively regulates cell apoptosis by forming heterodimers with BCL-xL and BCL-2, and reversing their death repressor activity. Proapoptotic activity of this protein is regulated through its phosphorylation. Protein kinases AKT and MAP kinase, as well as protein phosphatase calcineurin were found to be involved in the regulation of this protein. Alternative splicing of this gene results in two transcript variants which encode the same isoform. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	BAD BCL2-associated agonist of cell death [Homo sapiens (human)]
Official Symbol	BAD
Synonyms	BAD; BCL2-associated agonist of cell death; BBC2; BCL2L8; bcl2-associated agonist of cell death; bcl2-L-8; BCL2-binding protein; bcl-2-like protein 8; BCL2-binding component 6; bcl-2-binding component 6; BCL-X/BCL-2 binding protein; bcl2 antagonist of cell death; BCL2-

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	antagonist of cell death protein; bcl-XL/Bcl-2-associated death promoter
Entrez Gene ID	572
mRNA Refseq	NM_004322
Protein Refseq	NP_004313
UniProt ID	Q92934
Pathway	AKT phosphorylates targets in the cytosol; Activation of BAD and translocation to mitochondria; Activation of BH3-only proteins; Acute myeloid leukemia; Adaptive Immune System; Alpha-synuclein signaling; Alpha6-Beta4 Integrin Signaling Pathway; Alzheimer's disease
Function	cysteine-type endopeptidase activator activity involved in apoptotic process; lipid binding; phospholipid binding; protein binding; protein heterodimerization activity; protein kinase B binding; protein kinase binding; protein phosphatase 2B binding

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