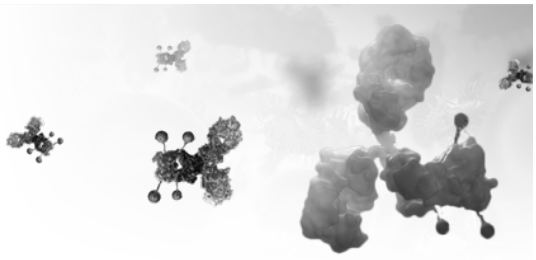

Human BAK1 blocking peptide (CDBP0567)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-BAK1 antibody
Antigen Description	The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form oligomers or heterodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein localizes to mitochondria, and functions to induce apoptosis. It interacts with and accelerates the opening of the mitochondrial voltage-dependent anion channel, which leads to a loss in membrane potential and the release of cytochrome c. This protein also interacts with the tumor suppressor P53 after exposure to cell stress. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	BAK1 BCL2-antagonist/killer 1 [Homo sapiens (human)]
Official Symbol	BAK1
Synonyms	BAK1; BCL2-antagonist/killer 1; BAK; CDN1; BCL2L7; BAK-LIKE; bcl-2 homologous

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	antagonist/killer; bcl2-L-7; BCL2-like 7 protein; bcl-2-like protein 7; apoptosis regulator BAK; pro-apoptotic protein BAK;
Entrez Gene ID	578
mRNA Refseq	NM_001188.3
Protein Refseq	NP_001179.1
UniProt ID	Q16611
Chromosome Location	6p21.3
Pathway	Activation and oligomerization of BAK protein, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis Modulation and Signaling, organism-specific biosystem; DNA damage response (only ATM dependent), organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; Integrated Breast Cancer Pathway, organism-specific biosystem; Intrinsic Pathway for Apoptosis, organism-specific biosystem; MicroRNAs in cancer, organism-sp
Function	BH domain binding; chaperone binding; heat shock protein binding; identical protein binding; metal ion binding; protein binding; protein heterodimerization activity; protein homodimerization activity;

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