

Recombinant Human BPNT1, His-tagged

Cat. No. BPNT1-3466H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	E.coli
Description	BAK1 encodes a receptor-like kinase (RLK) with a putative extracellular domain, a single transmembrane domain, an intracellular-juxtamembrane domain, and a kinase domain. BAK1 expression is associated with the progression of Prostate cancer (CaP). BAK1 appears to function in distinct receptor-signaling complexes to integrate multiple microbe-associated molecular pattern (MAMP) perception into downstream-signaling events. BAK1 can serve multiple purposes to simultaneously modulate MAMP-receptor complexes, BR signaling, and cell death for the benefit of bacterial infection, life style, and fitness.
Immunogen	Recombinant human BAK1 (29-187aa) purified from E. coli.
Isotype	Mouse IgG2a heavy chain and k light chain.
Clone	Anti-human BAK1 mAb, clone AT8B4, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human BAK1 protein.
Concentration	1 mg/ml.

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Form	Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.1% Sodium Azide.
Usage	The antibody has been tested by ELISA, Western blot and Immunofluorescence analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis and Immunofluorescence is 1:250 ~ 500. Recommended starting dilution is 1:250.
Application	ELISA, WB, IFA/ICC.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	BAK1 BCL2-antagonist/killer 1 [Homo sapiens]
Synonyms	BCL2-antagonist/killer 1;BAK; CDN1; BCL2L7; MGC3887; BAK-LIKE; MGC117255; BAK1; bcl-2 homologous antagonist/killer; bcl2-L-7; BCL2-like 7 protein bcl-2-like protein 7; apoptosis regulator BAK; pro-apoptotic protein BAK;Apoptosis regulator BAK; Bcl-2-like protein 7
Gene ID	578
mRNA Refseq	NM_001188
Protein Refseq	NP_001179
MIM	600516
UniProt ID	Q16611

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Chromosome Location	6p21.3
Pathway	Protein processing in endoplasmic reticulum; Apoptosis
Function	identical protein binding; metal ion binding; protein binding; protein heterodimerization activity

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