SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Bak antibody

Catalog Number: SL22928R

FOR RESEARCH USE ONLY

[DATASHEET]

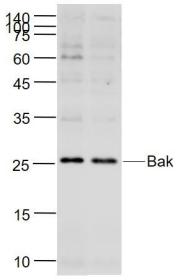
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Bak
Immunogen:	KLH conjugated synthetic peptide derived from human Bak: 71-171/211
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	23kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	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] **Function:** In the presence of an appropriate stimulus, accelerates programmed cell death by binding to, and antagonizing the anti-apoptotic action of BCL2 or its adenovirus homolog E1B 19k protein. Low micromolar levels of zinc ions inhibit the promotion of apoptosis. **Subunit:** Belongs to the Bcl-2 family. **Subcellular Location:** Mitochondrion membrane. **Tissue Specificity:** Expressed in a wide variety of tissues.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Similarity: Belongs to the Bcl-2 family. **Database links:** Entrez Gene: 578 Human Entrez Gene: 12018 Mouse Omim: 600516 Human SwissProt: Q16611 Human SwissProt: Q6I9T6 Human SwissProt: O08734 Mouse Unigene: 485139 Human Unigene: 2443 Mouse Bak is a member of the bcl-2 gene family and has an apoptosis-inhibiting effect. The BAK gene is a newly discovered Apoptosis-promoting factor; BAK contains BH1 and BH2 domains, and its function is similar to BAX; it antagonizes the anti-apoptotic effects of BCL2 and BCL-XL.

[VALIDATION IMAGES]



Sample:
Lane 1: Molt-4 (Human) Cell Lysate at 30 ug
Lane 2: Jurkat (Human) Cell Lysate at 30 ug
Primary: Anti-Bak (SL22928R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 23 kD
Observed band size: 25 kD

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