

**bs-1284R****[ Primary Antibody ]**

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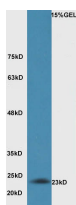
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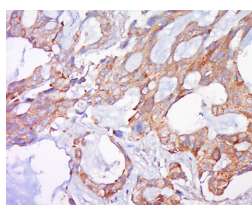
**Bak Rabbit pAb****— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 12018**SWISS:** O08734**Target:** Bak**Immunogen:** KLH conjugated synthetic peptide derived from mouse Bak: 21-120/209.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

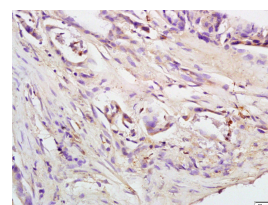
**Background:** The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form oligomers or heterodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein localizes to mitochondria, and functions to induce 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]

**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse  
(predicted: Rat)**Predicted  
MW.:** 23 kDa**Subcellular  
Location:** Cell membrane ,Cytoplasm**— VALIDATION IMAGES —**

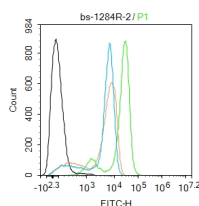
Sample:Lung (Mouse) Lysate at 30 ug Primary:  
Anti-Bak(bs-1284R) at 1:300 dilution; Secondary:  
HRP conjugated Goat-Anti-Rabbit  
IgG(bse-0295G) at 1: 5000 dilution; Predicted  
band size : 23kD Observed band size : 23kD



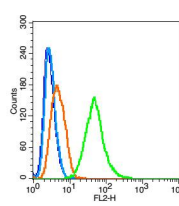
Tissue/cell: human lung carcinoma; 4%  
Paraformaldehyde-fixed and paraffin-  
embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block  
endogenous peroxidase by 3% Hydrogen  
peroxide for 30min; Blocking buffer (normal goat  
serum,C-0005) at 37°C for 20 min; Incubation:  
Anti-Bak Polyclonal Antibody,  
Unconjugated(bs-1284R) 1:500, overnight at 4°C,  
followed by conjugation to the secondary  
antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human colon carcinoma; 4%  
Paraformaldehyde-fixed and paraffin-  
embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block  
endogenous peroxidase by 3% Hydrogen  
peroxide for 30min; Blocking buffer (normal goat  
serum,C-0005) at 37°C for 20 min; Incubation:  
Anti-Bak Polyclonal Antibody,  
Unconjugated(bs-1284R) 1:200, overnight at 4°C,  
followed by conjugation to the secondary  
antibody(SP-0023) and DAB(C-0010) staining



Blank control: THP-1. Primary Antibody (green  
line): Rabbit Anti-Bak antibody (bs-1284R)  
Dilution: 2µg /10<sup>6</sup> cells; Isotype Control  
Antibody (orange line): Rabbit IgG . Secondary



Blank control: HeLa(blue). Primary  
Antibody:Rabbit Anti- Bak antibody(bs-1638R),  
Dilution: 1µg in 100 µL 1X PBS containing 0.5%  
BSA; Isotype Control Antibody: Rabbit

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

Antibody : Goat anti-rabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST methanol for 20 min at room temperature.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature.The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

IgG(orange) ,used under the same conditions ); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol The cells were fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice. Antibody (bs-1284R, 1µg /1x10<sup>6</sup> cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody of bs-1284R at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.

## — SELECTED CITATIONS —

- **[IF=9.429]** Li, Guang. et al. Synergetic delivery of artesunate and isosorbide 5-mononitrate with reduction-sensitive polymer nanoparticles for ovarian cancer chemotherapy. J NANOBIOTECHNOL. 2022 Dec;20(1):1-13 WB ;Human. 36335352
- **[IF=6.575]** Qiyu Gan. et al. Prognostic Value and Immune Infiltration of HPV-Related Genes in the Immune Microenvironment of Cervical Squamous Cell Carcinoma and Endocervical Adenocarcinoma. CANCERS. 2023 Jan;15(5):1419 IHC ;Human. 36900213
- **[IF=6.1]** Qingyu Ding. et al. N-acetylcysteine alleviates oxidative stress and apoptosis and prevents skeletal muscle atrophy in type 1 diabetes mellitus through the NRF2/HO-1 pathway. LIFE SCI. 2023 Sep;329:121975 WB ;Dog. 37495077
- **[IF=5.29]** Huang, Chuen-Lin, et al. "Paraquat Induces Cell Death Through Impairing Mitochondrial Membrane Permeability." Molecular Neurobiology (2015): 1-20. Other ;="Rat" . 25947082
- **[IF=4.6]** Shuli Yang. et al. Enrichment and Evaluation of Antitumor Properties of Total Flavonoids from Juglans mandshurica Maxim. MOLECULES. 2024 Jan;29(9):1976 WB ;Human. 38731467