



Rabbit Anti-Bak antibody

SL1284R

Product Name:	Bak
Chinese Name:	Bcl-2同源拮抗剂抗体
Alias:	Apoptosis Regulator Bak; BAK 1; BAK; BAK like; Bak NT; BAK1; Bcl 2 homologous antagonist/killer; Bcl 2 like 7 protein; Bcl2 homologous antagonist killer; Bcl2 like 7 Protein; BCL2-antagonist/killer 1; BCL2L7; CDN 1; CDN1; Cell death inhibitor 1; MGC117255; MGC3887; NBak; Pro apoptotic protein BAK; BAK_HUMAN; BAK_MOUSE.
文献引用 PubMed :	<p>Specific References(2)SL1284R has been referenced in 2 publications.</p> <p>[IF=3.73]Zhu, Zhongling, et al. "Regulation of Cell Transformation by Rb-Controlled Redox Homeostasis." PLoS ONE 9.7 (2014): e102582.WB;Mouse. PubMed:25019272</p> <p>[IF=5.29]Huang, Chuen-Lin, et al. "Paraquat Induces Cell Death Through Impairing Mitochondrial Membrane Permeability." Molecular Neurobiology (2015): 1-20.Rat. PubMed:25947082</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	23kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse Bak:21-120/209

Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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]</p> <p>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.</p> <p>Subunit: Belongs to the Bcl-2 family.</p> <p>Subcellular Location: Mitochondrion membrane.</p> <p>Tissue Specificity: Expressed in a wide variety of tissues.</p> <p>Similarity: Belongs to the Bcl-2 family.</p> <p>SWISS: O08734</p> <p>Gene ID: 12018</p> <p>Database links:</p> <p>Entrez Gene: 578Human</p> <p>Entrez Gene: 12018Mouse</p>

[Omid: 600516](#)Human

[SwissProt: Q16611](#)Human

[SwissProt: Q6I9T6](#)Human

[SwissProt: O08734](#)Mouse

[Unigene: 485139](#)Human

[Unigene: 2443](#)Mouse

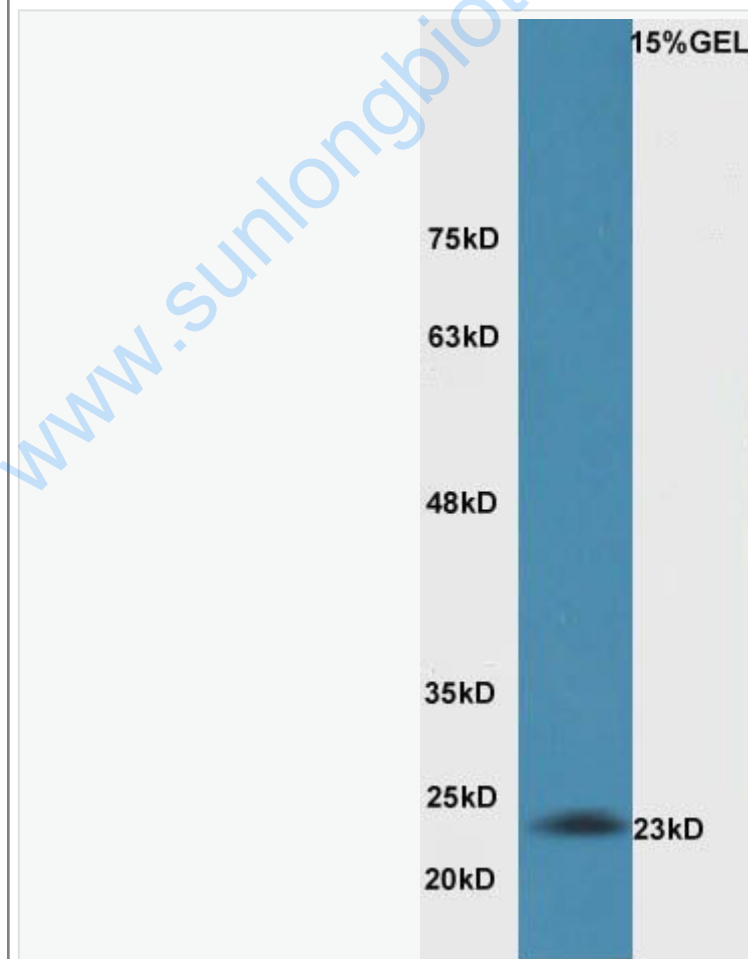
Important Note:

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

Bak属于bcl-

2基因家族中的成员，具有抑制凋亡的作用。BAK基因是新发现的Apoptosis促进因子，BAK含BH1和BH2结构域，其功能类似于BAX；拮抗BCL2、BCL-XL的抗凋亡效应。

Picture:



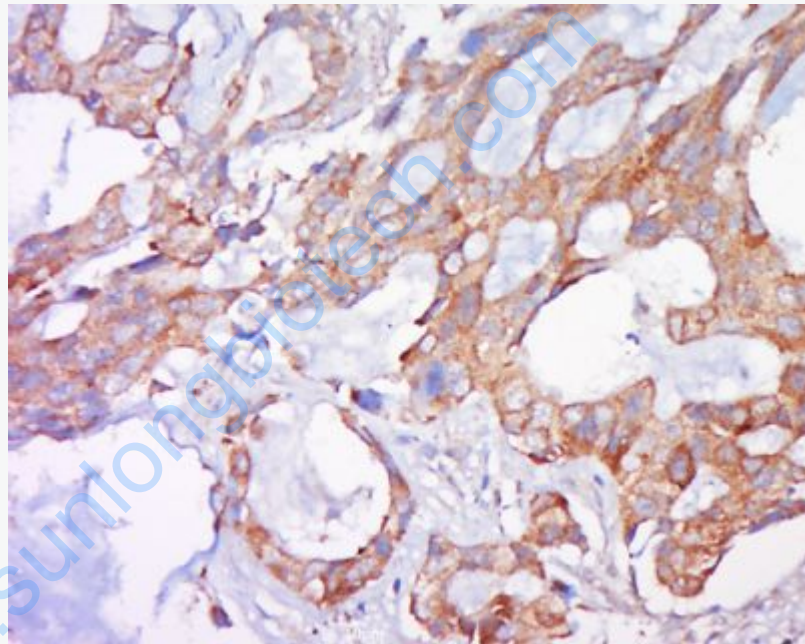
Sample:Lung (Mouse) Lysate at 30 ug

Primary: Anti-Bak(SL1284R) 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

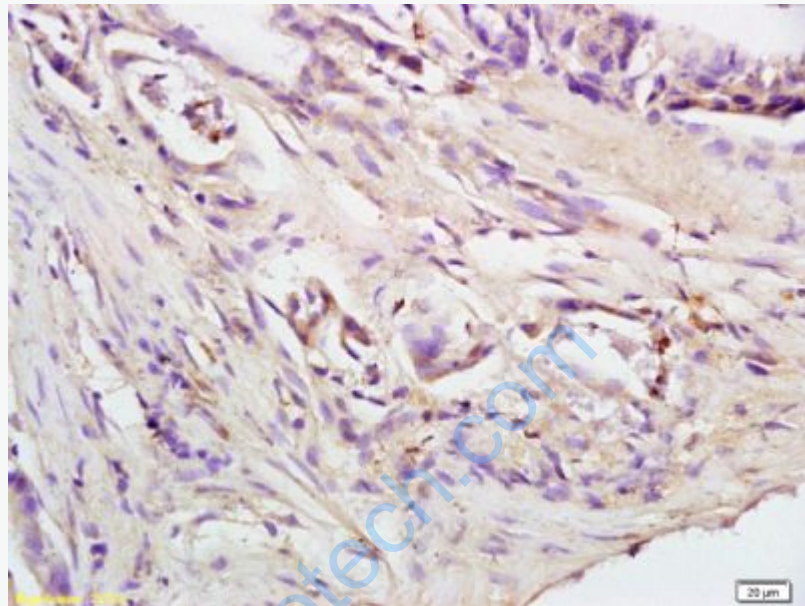


Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

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(SL1284R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and

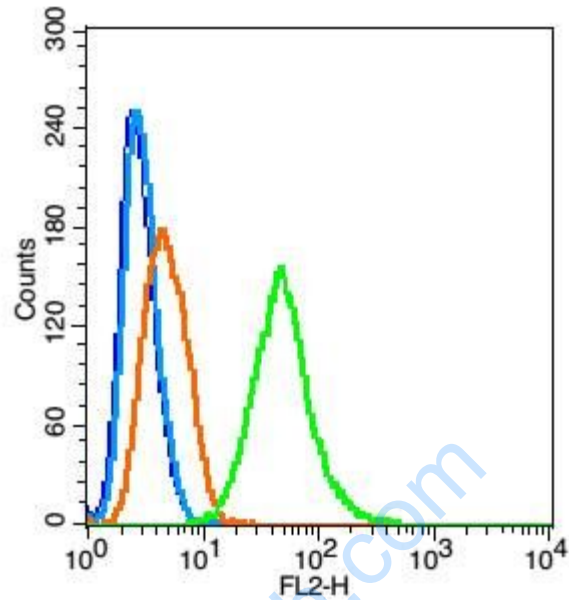
DAB(C-0010) staining



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(SL1284R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: Hela(blue).

Primary Antibody: Rabbit Anti- Bak antibody(SL1284R), Dilution: 1 μ g in 100 μ L
1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit 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 (SL1284R) 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.
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