




Rabbit Anti-BBC3/PUMA antibody

SL1573R

Product Name:	BBC3/PUMA
Chinese Name:	p53正向Apoptosis调控因子抗体
Alias:	PUMA; bcl-2 binding component 3; BBC 3; BBC3; BCL 2 binding component 3; BCL2 binding component 3; JFY 1; JFY1; p53 up regulated modulator of apoptosis; p53 Upregulated Modulator of Apoptosis; PUMA alpha; PUMA/JFY1; BBC3_RAT.
文献引用  :	<p>Specific References(2) SL1573R has been referenced in 2 publications.</p> <p>[IF=1.96]Zhang, Pei, et al. "Epithelial-mesenchymal transition is necessary for acquired resistance to cisplatin and increases the metastatic potential of nasopharyngeal carcinoma cells." International Journal of Molecular Medicine (2013).WB;Human. PubMed:24173500</p> <p>[IF=5.62]Qiu, Shi, et al. "A small peptide derived from p53 linker region can resume the apoptotic activity of p53 by sequestering iASPP with p53." Cancer Letters 356.2 (2015): 910-917.IP;Human. PubMed:25444901</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,
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:	21kDa
Cellular localization:	cytoplasmic Mitochondrion
Form:	Lyophilized or Liquid
Concentration:	1mg/ml

immunogen:	KLH conjugated synthetic peptide derived from human BBC3:131-180/193
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>This gene encodes a member of the BCL-2 family of proteins. This family member belongs to the BH3-only pro-apoptotic subclass. The protein cooperates with direct activator proteins to induce mitochondrial outer membrane permeabilization and apoptosis. It can bind to anti-apoptotic Bcl-2 family members to induce mitochondrial dysfunction and caspase activation. Because of its pro-apoptotic role, this gene is a potential drug target for cancer therapy and for tissue injury. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2011]</p> <p>Function: Essential mediator of p53/TP53-dependent and p53/TP53-independent apoptosis. Functions by promoting partial unfolding of BCL2L1 and dissociation of BCL2L1 from p53/TP53. Essential for ER stress-induced cell death.</p> <p>Subunit: Interacts with BCL2, BCL2L1/BCL-XL, MCL1 and BCL2A1.</p> <p>Subcellular Location: Mitochondrion. Note=Localized to the mitochondria in order to induce cytochrome c release.</p> <p>Similarity: Belongs to the Bcl-2 family.</p> <p>SWISS: Q96PG8</p> <p>Gene ID: 27113</p> <p>Database links: Entrez Gene: 27113Human Entrez Gene: 170770Mouse Entrez Gene: 317673Rat Omim: 605854Human</p>

[SwissProt: Q9BXH1](#)Human

[SwissProt: Q99ML1](#)Mouse

[SwissProt: Q80ZG6](#)Rat

[Unigene: 467020](#)Human

[Unigene: 7660](#)Mouse

[Unigene: 25176](#)Rat

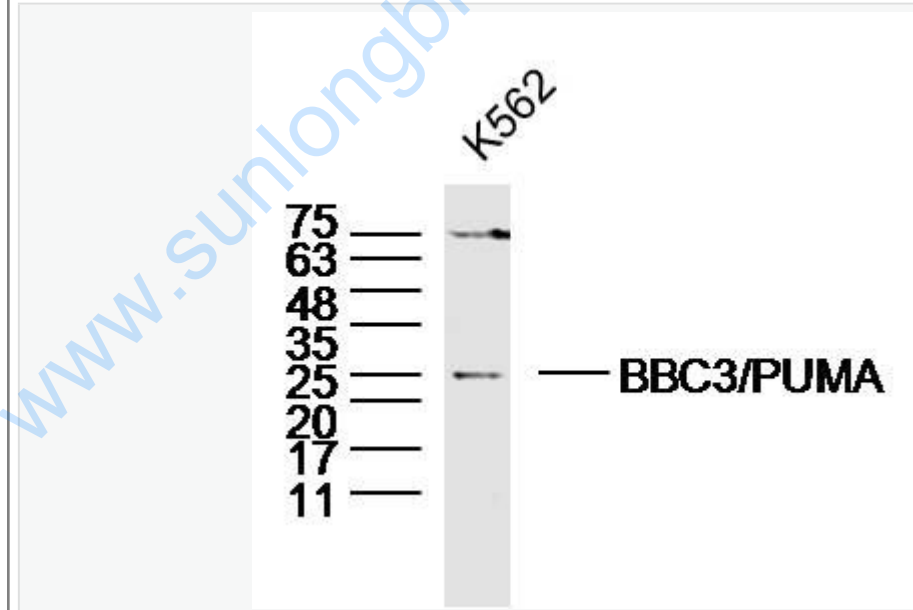
Important Note:

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

PUMA在由p53诱导而经历Apoptosis的细胞中被p53活化。在Mitochondrion, PUMA诱导细胞色素C的释放和激活对Apoptosis的快速诱导。PUMA 与Bcl2、Bcl-XL、类Bcl2-

1蛋白相互作用, 促使Mitochondrion易位和BAX的多聚化。PUMA在通过依赖细胞色素C/APAF1 途径介导p53诱导的细胞死亡中也发挥作用。

Picture:



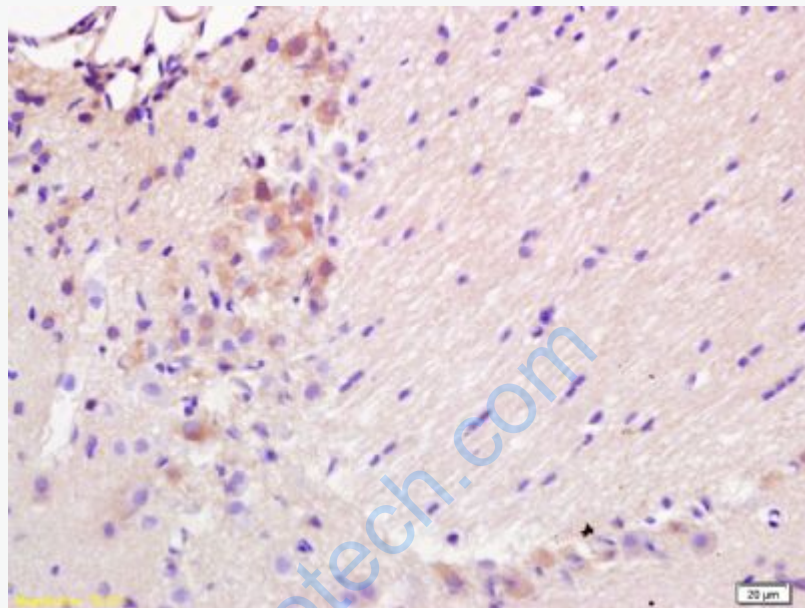
Sample: K562 Cell Lysate at 30 ug

Primary: Anti- BBC3 (SL1573R) at 1/300 dilution

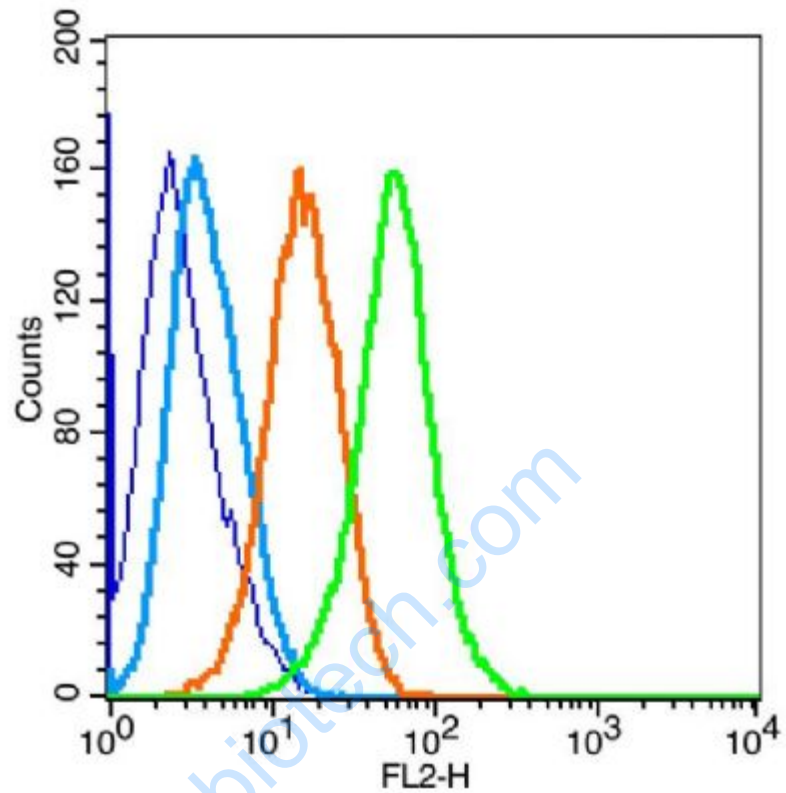
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 21 kD

Observed band size: 25 kD



Tissue/cell: rat brain tissue; 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-BBC3/PUMA Polyclonal Antibody, Unconjugated(SL1573R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: U-87MG(blue).

Primary Antibody: Rabbit Anti-BBC3 PUMA antibody(SL1573R), 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. Primary antibody (SL1573R) 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 at 1/200 dilution for 30 min on ice.

Acquisition of 20,000 events was performed.

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