Bax Recombinant antibody

Cat:B02004R

Company： Haokebio

Uniprot ID:Q07812

Organism: Rabbit

Species reactivity: Human Mouse Rat

Molecular Weight Calculation: 21 kDa

Observed Molecular Weight: 21 kDa

Applications: IHC:1:500-1:2000
IHC-Polymer:1:2000-1:8000
IHC-TSA:1:2500-1:10000
IF:1:50-1:100
WB:1:500-1:1000

Background:

BAX (also known as BCL2 Associated X, Bcl-2-Like Protein 4, Bcl2-L-4, BCL2L4) is a member of the BCL2 family of proteins that play a key role in the regulation of apoptosis in higher eukaryotes. BAX comprises 4 Bcl-2 homology domains (BH1-BH4) and a C-terminal transmembrane domain. In healthy mammalian cells, BAX is localized to the cytoplasm through its interaction with the anti-apoptotic BL-2 family members BCL2L1/Bcl-xL. In response to apoptotic stimuli, however, BAX undergoes a conformational change that causes it to translocate to the outer mitochondrial membrane where it initiates the mitochondrial pathway of apoptosis via two potential mechanisms. Firstly, upon translocation to the outer mitochondrial membrane, BAX interacts with the mitochondrial voltage-dependent anion channel (VDAC) leading to the opening of the channel, loss of membrane potential, and the release of cytochrome c from the mitochondrion. The release of cytochrome C into the cytoplasm leads to the activation of Caspase3, initiating apoptosis. Secondly, activated BAX forms homodimers, which then assemble into oligomers on the mitochondrial outer membrane to create pores that permeabilize the mitochondrion leading to the release of cytochrome C.

Protein full name:

BCL2-associated X protein

Synonyms:

Apoptosis regulator BAX, Bcl2-L-4, Bcl-2-like protein 4

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02%sodium azide,100 μg/ml BSA and 50% glycerol.

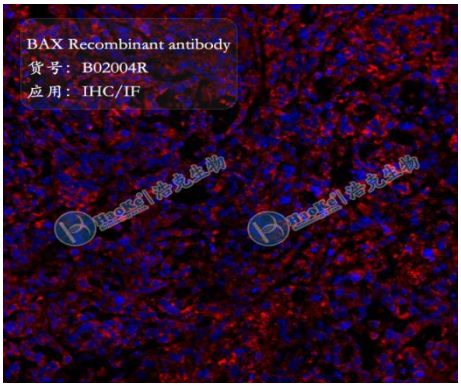
Storage:

Store at -20 ℃ for one year.

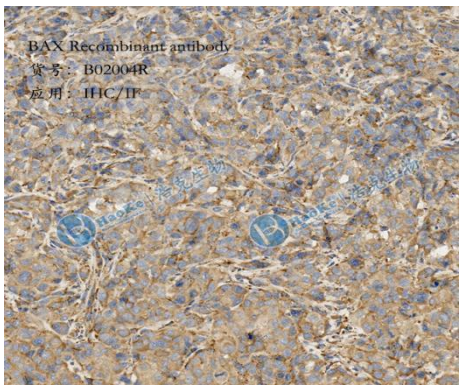
Experimental procedure:

Antigen retrieval: Citrate buffer (pH 6.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes.Incubate antibody, 4℃ overnight.Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse tumor, 4% PFA 12-24h



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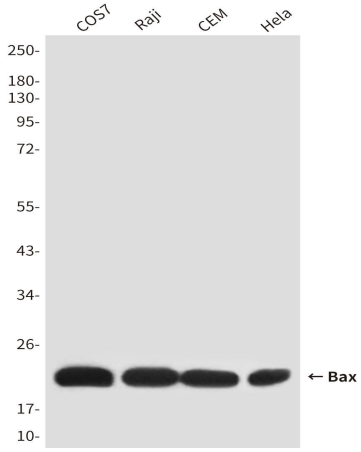

Dilution of 1:1000 incubated at room temperatur e for 1.5 hours.

Source of Reagents:

发表[中文论文]请标注:Bax(B02004R)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:Bax(B02004R) were kin dly provided by Hangzhou Haoke Biotechnolog y Co., Ltd.