

AP20556PU-N**Polyclonal Antibody to Galectin-7 - Aff - Purified****Alternate names:**

Gal-7, HKL-14, LGALS7, LGALS7B, PI7, PIG1, p53-induced gene 1 protein

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

Background:

Bcl2 family is a key regulator of apoptosis that functions to either inhibit or promote cell death. Over-expression of members such as Bcl2 and BclxL inhibit the apoptotic process. The Bcl2 family members are also characterized by dimerizing to further modulate apoptosis. Bag1, for example, has been found to form a heterodimer with Bcl2 resulting in the enhancement of the anti-apoptotic effect of Bcl2. Bax and Bak have been shown to play a critical role in cytochrome c release from mitochondria and thus initiate apoptosis. Bax exerts a pro-apoptotic rather than an anti-apoptotic effect on cells. Bax targets mitochondrial membranes, inducing mitochondrial damage and cell death in a caspase-independent manner. Bad plays a critical role in the Bax-mediated apoptosis pathway by dimerizing with BclxL, causing the displacement of Bax. The displacement of Bax allows apoptosis to proceed. BclxS, a shorter version of BclxL (lacking amino acids 126-188), apparently utilizes a different pathway than Bax to induce cell death.

Uniprot ID:[P47929](#)**NCBI:**[NP_001035972](#)**GenID:**[3963](#)**Host:**

Rabbit

Format:**State:** Liquid purified Ig fraction**Purification:** Affinity chromatography (> 95% (by SDS-PAGE)**Buffer System:** Phosphate buffered saline (PBS), pH 7.2.**Preservatives:** 15 mM sodium azide**Applications:****Western blot:** 1/500 - 1/1000.**Immunohistochemistry on paraffin sections:** 1/50 - 1/200.**Immunofluorescence:** 1/50 - 1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Molecular Weight:

~ 24 kDa

Specificity:This antibody detects endogenous levels of Bax protein.
(region surrounding Cys62)**Species Reactivity:****Tested:** Human.**Expected from sequence similarity:** Mouse and Rat.**Storage:**

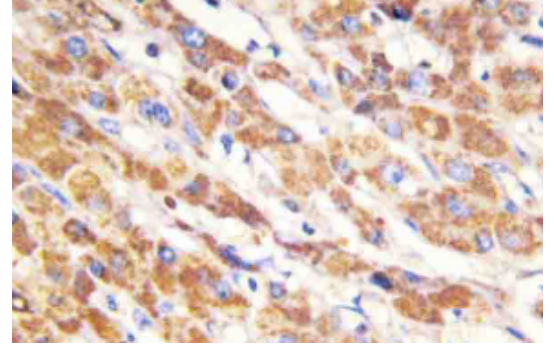
Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

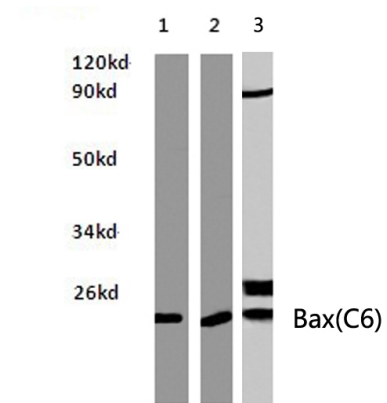
Shelf life: one year from despatch.

Pictures:

Immunohistochemistry (IHC) analyzes of Bax antibody (Cat.-No.: AP20556PU-N) in paraffin-embedded human liver carcinoma tissue.



Western blot (WB) analysis of Bax antibody (Cat.-No.: AP20556PU-N) in extracts from HeLa, A549 and PC12 cells.



Lane 1: HeLa whole cell lysate
 Lane 2: A549 whole cell lysate
 Lane 3: PC12 whole cell lysate
 Bax(C6) pAb at 1:500 dilution