

## Product datasheet for **AP20556PU-M**

### Galectin 7 (LGALS7) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500 - 1/1000. <b>Immunohistochemistry on paraffin sections</b> 1/50 - 1/200. <b>Immunofluorescence:</b> 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of Bax protein. (region surrounding Cys62)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 24 kDa
Gene Name:	galectin 7
Database Link:	<a href="#">Entrez Gene 653499 Human</a> <a href="#">Entrez Gene 3963 Human</a> <a href="#">P47929</a>



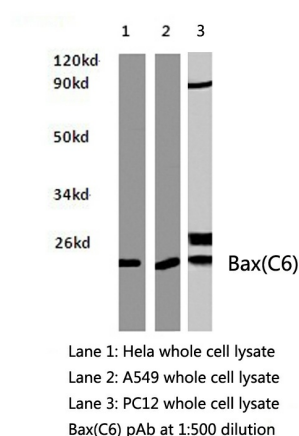
[View online »](#)

**Background:**

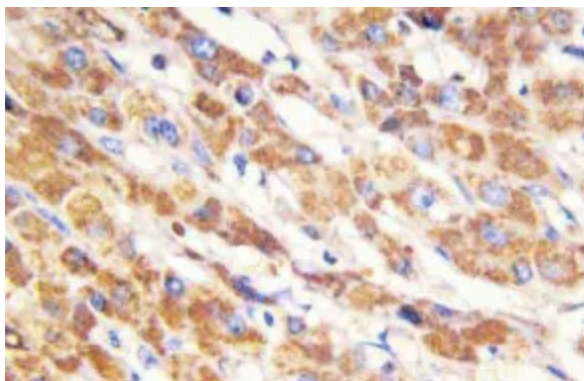
Bcl2 family is a key regulator of apoptosis that functions to either inhibit or promote cell death. Over-expression of members such as Bcl2 and BclxL inhibit the apoptotic process. The Bcl2 family members are also characterized by dimerizing to further modulate apoptosis. Bag1, for example, has been 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.

**Synonyms:**

Gal-7, HKL-14, PI7, LGALS7, PIG1, LGALS7B

**Product images:**


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



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