

## Product datasheet for **AP22701PU-N**

### **Bak (BAK1) (N-term) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	<b>Immunohistochemistry on Paraffin Sections:</b> 1/300.
Reactivity:	Hamster, Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from N-terminal of Human Bcl-2-like 7.
Specificity:	This antibody recognizes BCL2-antagonist/killer 1 (BAK1).
Formulation:	10mM PBS, pH 7.4 State: Purified State: Liquid purified Ig fraction Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Gene Name:	BCL2 antagonist/killer 1
Database Link:	<a href="#">Entrez Gene 12018 Mouse</a> <a href="#">Entrez Gene 578 Human</a> <a href="#">Q16611</a>



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**Background:**

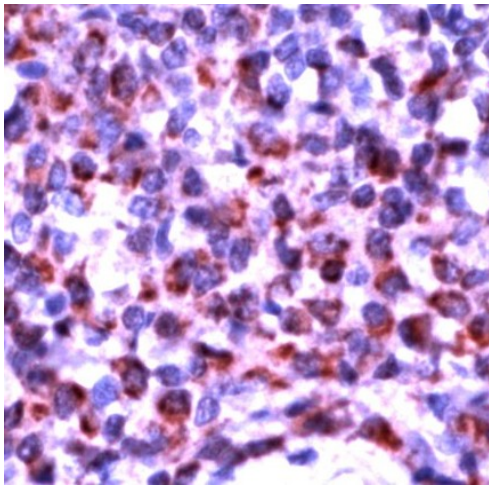
Apoptosis plays a major role in normal organism development, tissue homeostasis, and removal of damaged cells. Disruption of this process has been implicated in a variety of diseases such as cancer. The Bcl-2 family of proteins is comprised of critical regulators of apoptosis that can be divided into two classes: those that inhibit apoptosis and those that promote cell death. Bak, a pro-apoptotic Bcl-2 family member, is an oligomeric protein that localizes to the mitochondria. It is thought to share significant functional homology with Bax, another pro-apoptotic Bcl-2 family member, as disruption of bak or bax has little effect on cell death, but mice lacking both genes display multiple developmental defects and cells lacking bak and bax show decreased apoptotic capability.

**Synonyms:**

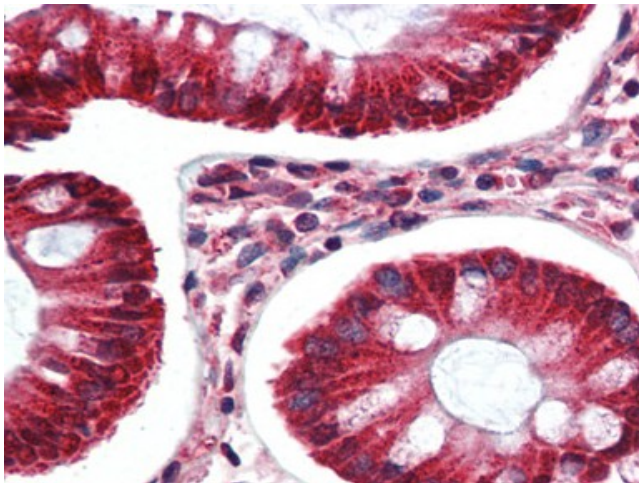
BAK1, BAK, BCL2L7, Bcl2-L-7, CDN1

**Protein Families:**

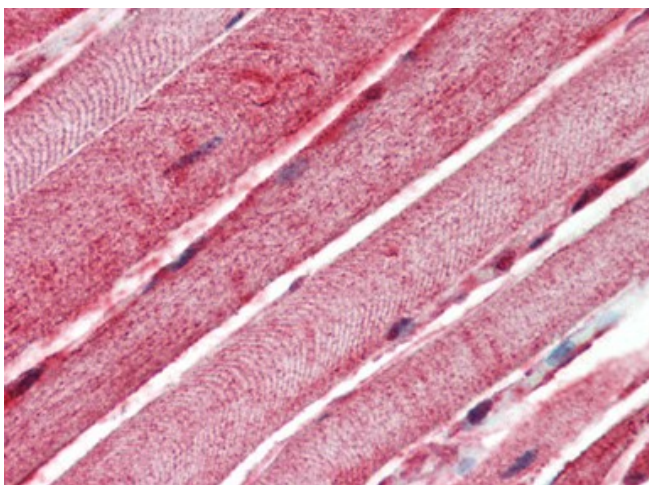
Druggable Genome, Stem cell - Pluripotency, Transmembrane

**Product images:**

Human tonsil stained with Anti-Bak antibody (AP22701PU-N)



Human Colon (formalin-fixed, paraffin-embedded) stained with BAK1 antibody AP22701PU-N at 10 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Skeletal Muscle (formalin-fixed, paraffin-embedded) stained with BAK1 antibody AP22701PU-N at 10 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.