

## Product datasheet for **AP06026PU-N**

### Bak (BAK1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, 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
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to the N-terminal of Human Bak.
Specificity:	This antibody detects endogenous levels of Bak1/2 protein. (region surrounding Ala2)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (>95% pure (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:	~ 25 kDa
Gene Name:	BCL2 antagonist/killer 1
Database Link:	<a href="#">Entrez Gene 578 Human Q16611</a>



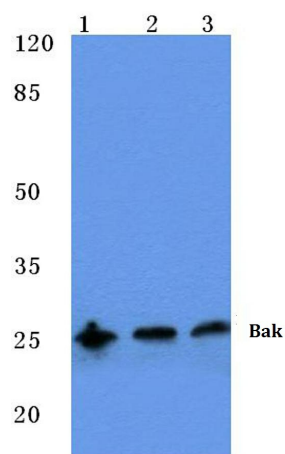
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**Background:**

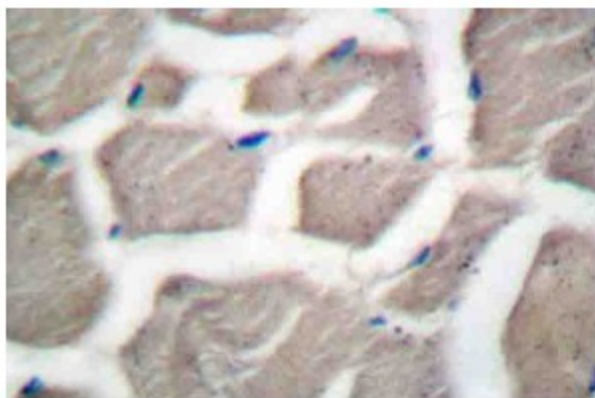
Bak or Bcl2 homologous antagonist is a member of the Bcl2 family of proteins. The Bcl-2 related proteins interact with one another through the formation of homo and heterodimers. The susceptibility of cells to apoptotic stimuli is thought to be controlled by the relative ratios of the different Bcl2 family proteins. Bak has been demonstrated to accelerate the rate of apoptosis in growth factor deprived murine lymphoid, neuronal and fibroblastic cell lines. This protein localizes to mitochondria, and functions to induce apoptosis. It interacts with and accelerates the opening of the mitochondrial voltage-dependent anion channel, which leads to a loss in membrane potential and the release of cytochrome c. Bak also interacts with the tumor suppressor P53 after exposure to cell stress.

**Synonyms:**

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

**Product images:**

Western blot (WB) analysis of Bak antibody at 1/500 dilution Lane 1:Hela cell lysate Lane 2:NIH-3T3 cell lysate Lane 3:Rat kidney tissue lysate



Immunohistochemistry (IHC) analyzes of Bak1/2 antibody in paraffin-embedded human skeletal muscle tissue.