

## Bak Antibody

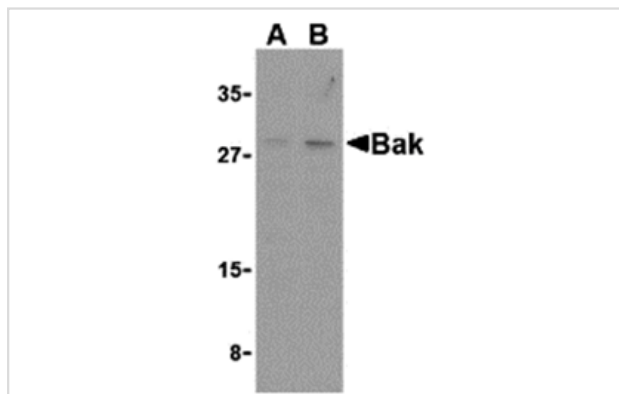
Catalog No: #24249

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

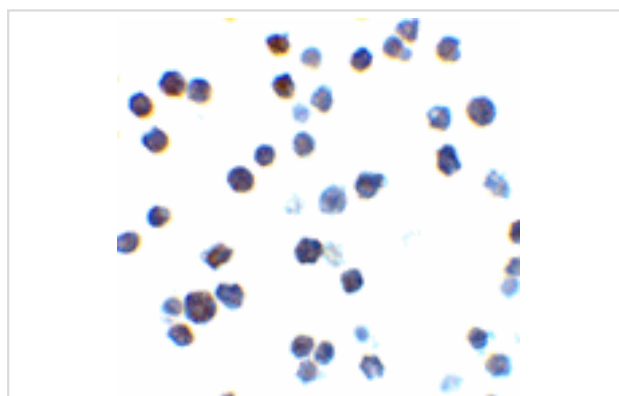
## Description

|                       |   |
|-----------------------|---|
| Product Name          | Bak Antibody  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Ion exchange chromatography purified  |
| Applications          | E WB ICC  |
| Species Reactivity    | Hu Ms   |
| Immunogen Type        | Peptide   |
| Immunogen Description | Raised against a peptide corresponding to 13 amino acids near the amino-terminus of human Bak.  |
| Target Name           | Bak   |
| Accession No.         | Q16611  |
| Formulation           | Supplied in PBS containing 0.02% sodium azide.  |
| Storage               | Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

## Images



Western blot analysis of Bak in L1210 cell lysates with Bak antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of Bak in L1210 cells with Bak antibody at 2 ug/mL.

## 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.

---

Note: This product is for in vitro research use only and is not intended for use in humans or animals.