

## Product datasheet for **AM09369PU-N**

### **Bak (BAK1) Mouse Monoclonal Antibody [Clone ID: AT8B4]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	AT8B4
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot:</b> 1/250-1/500. <b>Flow Cytometry.</b> <b>Immunocytochemistry/Immunofluorescence.</b> <b>Immunofluorescence:</b> 1/250-1/500.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant Human BAK1 (29-187aa) purified from E. coli
Specificity:	The antibody recognizes Human and Mouse BAK1. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
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:**

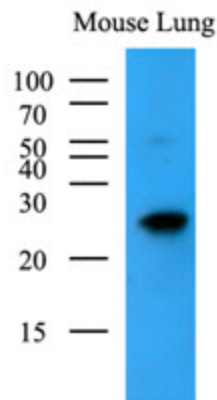
BAK1 encodes an receptor-like kinase (RLK) with a putative extracellular domain, a single transmembrane domain, an intracellular-juxtamembrane domain, and a kinase domain. BAK1 expression is associated with the progression of Prostate cancer (CaP). BAK1 appears to function in distinct receptor-signaling complexes to integrate multiple microbe-associated molecular pattern (MAMP) perception into downstream-signaling events. BAK1 can serve multiple purposes to simultaneously modulate MAMP-receptor complexes, BR signaling, and cell death for the benefit of bacterial infection, life style, and fitness.

**Synonyms:**

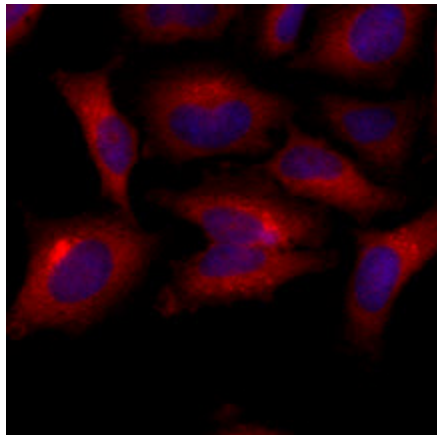
BAK1, BAK, BCL2L7, Bcl2-L-7, CDN1

**Protein Families:**

Druggable Genome, Stem cell - Pluripotency, Transmembrane

**Product images:**

Western blot analysis: Mouse lung lysates (35ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human BAK1 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Immunofluorescence of human HeLa cells stained with Hoechst 3342 (Blue) for nucleus staining and monoclonal anti-human BAK1 antibody (1:500) with Texas Red (Red).