

## Product Information

**Size:**

5µg

**Applications:**

Western Blot, Immunofluorescence, ELISA

**Reactivity:**

Other bodies

**Source:**

Mouse

**Isotype:**

IgG2a

**Purification Method:**

BAK1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.

**Protein Background:**

BAK1 is a member of the BCL2 protein family. The BCL2 family members form oligomers or heterodimers and act as anti- or pro-apoptotic regulators which are involved in a wide variety of cellular activities. The BAK1 gene encodes a receptor-like kinase (RLK) with a putative extracellular domain, a single transmembrane domain, an intracellular-juxtamembrane domain, and a kinase domain. BAK1 localizes to mitochondria, and functions to induce apoptosis. BAK1 interacts with and accelerates the opening of the mitochondrial voltage-dependent anion channel, leading to a loss in membrane potential and the release of cytochrome c. Furthermore, BAK1 interacts with the tumor suppressor P53 after exposure to cell stress. BAK1 expression is linked to the progression of Prostate cancer.

**Synonyms:**

Bcl-2 homologous antagonist/killer, Apoptosis regulator BAK, Bcl-2-like protein 7, Bcl2-L-7, BAK1, BAK, BCL2L7, CDN1, MGC3887, BAK-LIKE, MGC117255.

**Immunogen:**

Anti-human BAK1 mAb, is derived from hybridization of mouse F myeloma cells with spleen cells from BALB/c mice immunized with recombinant human BAK1 amino acids 29-187 purified from Ecoli.

**Storage:**

For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.