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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-BAK/BAK1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9484-Fluoro488

About BAK1

BAK, officially called Bcl2 antagonist killer, is a protein that in humans, encoded by the BAK gene. The BAK protein is a pro-apoptotic member of the Bcl-2 gene family which is involved in initiating apoptosis. BAK gene spans 7.6 kb and contains 6 exons. By Southern blot analysis of genomic DNA from human/rodent somatic cell hybrids, BAK gene is localized to chromosome 6. 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. This protein also interacts with the tumor suppressor P53 after exposure to cell stress.

Overview

Product Name	Anti-BAK/BAK1 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, IHC-F, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q16611

Technical Details

Immunogen	E.coli-derived human BAK recombinant protein (Position: A22-S211). Human BAK shares 78.3 % amino acid (aa) sequence identity with mouse BAK.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

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Suggested Dilutions	Optimal dilutions should be determined by end users.

2 Publications Citing This Product

1. PubMed ID: 15248898, BAK overexpression mediates p53-independent apoptosis inducing effects on human gastric cancer cells

2. PubMed ID: 21573215, Minicircle-oriP-IFN?: A Novel Targeted Gene Therapeutic System for EBV Positive Human Nasopharyngeal Carcinoma

Visit bosterbio.com/anti-bak-picoband-trade-antibody-pb9484-boster.html to see all 2 publications.

Anti-BAK/BAK1 Antibody - Fluoro488

For Research Use Only. Not for use in diagnostic procedures.