

Anti-Bcl-X/BCL2L1 Antibody Picoband® PE Conjugated

Catalog Number: PB9917-PE

About BCL2L1

Bcl-2-like protein 1, also known as Bcl-X, is a protein that in humans is encoded by the BCL2L1 gene. The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The proteins encoded by this gene are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Alternative splicing results in multiple transcript variants encoding two different isoforms. The longer isoform (Bcl-xL) acts as an apoptotic inhibitor and the shorter form (Bcl-xS) acts as an apoptotic activator.

Overview

Product Name	Anti-Bcl-X/BCL2L1 Antibody Picoband® PE Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q07817

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Bcl-X, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

5 Publications Citing This Product

1. PubMed ID: 10.3892/or.2016.4625, The role of cofilin-I in vulvar squamous cell carcinoma: A marker of carcinogenesis, progression and targeted therapy
2. PubMed ID: 10.1016/j.lfs.2006.12.024, ACTX-8, a cytotoxic l-amino acid oxidase isolated from Agkistrodon acutus snake venom, induces apoptosis in Hela cervical cancer cells
3. PubMed ID: 12439908, Relationship between Egr-1 gene expression and apoptosis in esophageal carcinoma and precancerous lesions

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