



Rabbit Anti-BCL2 monoclonal antibody, clone TA21-14 (DCABH-8538)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|------------------------------|--|
| Target | Bcl-2 |
| Immunogen | Recombinant protein |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human, Mouse |
| Clone | TA21-14 |
| Purification | Protein A purified. |
| Conjugate | Unconjugated |
| Applications | WB, ICC/IF, IHC, IP, FC |
| Molecular Weight | 26/22 kDa |
| Cellular Localization | Mitochondrion outer membrane, Nucleus membrane, Endoplasmic reticulum membrane. |
| Positive Control | A549, MCF-7, Hela, Jurkat, SH-SY-5Y, human breast carcinoma tissue, human kidney tissue. |
| Format | Liquid |
| Size | 100 µl |
| Buffer | 1×TBS (pH7.4), 1% BSA, 40% Glycerol. |
| Preservative | 0.05% Sodium Azide |

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

Apoptosis is defined as a set of cascades which, when initiated, programs the cell to undergo lethal changes such as membrane blebbing, mitochondrial break down and DNA fragmentation. Bcl-2 is one among many key regulators of apoptosis, which are essential for proper development, tissue homeostasis, and protection against foreign pathogens. Human Bcl-2 is an anti-apoptotic, membrane-associated oncoprotein that can promote cell survival through protein-protein interactions with other Bcl-2 related family members, such as the death suppressors Bcl-xl, Mcl-1, Bcl-w, and A1 or the death agonists Bax, Bak, Bik, Bad, and Bid. The anti-apoptotic function of Bcl-2 can also be regulated through proteolytic processing and phospho-rylation. Bcl-2 may promote cell survival by interfering with the activation of the cytochrome c/Apaf-1 pathway through stabilization of the mitochondrial membrane. Mutations in the Bcl-2 gene can contribute to cancers where normal physiological cell death mechanisms are compromised by deregulation of the anti-apoptotic influence of Bcl-2.

Keywords

Apoptosis regulator Bcl 2;Apoptosis regulator Bcl-2;Apoptosis regulator Bcl2;AW986256;B cell CLL/lymphoma 2;B cell leukemia/lymphoma 2;Bcl-2;Bcl2;BCL2_HUMAN;C430015F12Rik;D630044D05Rik;D830018M01Rik;Leukemia/lymphoma, B-cell, 2;Oncogene B-cell leukemia 2;PPP1R50;Protein phosphatase 1, regulatory subunit 50 antibody

GENE INFORMATION

Entrez Gene ID

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