antibodies -online.com





Datasheet for ABIN5693065

anti-Bcl-2 antibody (AA 118-165)

2 Images

82

Publications



Go to Product page

Overview

Quantity:	100 μg
Target:	Bcl-2 (BCL2)
Binding Specificity:	AA 118-165
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Bcl-2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Brand:	Picoband™
Immunogen:	E. coli-derived human Bcl-2 recombinant protein (Position: Q118-E165).
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Bcl-2 detection. Tested with WB, IHC-P, Direct ELISA in Human, Mouse, Rat.

Target Details

Target:	Bcl-2 (BCL2)
Alternative Name:	BCL2 (BCL2 Products)
Background:	Synonyms: Apoptosis regulator Bcl-2, BCL2

Background: Immunoreactive BCL2 protein in the neoplastic cells of almost all follicular lymphomas whereas no BCL2 protein was detected in follicles affected by nonneoplastic processes or in normal lymphoid tissue. Every tumor with molecular-genetic evidence of t(14,18) translocation expressed detectable levels of BCL2 protein, regardless of whether the breakpoint was located in or at a distance from the BCL2 gene. Overexpression of BCL2 blocks the apoptotic death of a pro-B-lymphocyte cell line.

UniProt:

P10415

Pathways:

MAPK Signaling, PI3K-Akt Signaling, Apoptosis, Caspase Cascade in Apoptosis, Regulation of Muscle Cell Differentiation, Cell-Cell Junction Organization, Skeletal Muscle Fiber Development, Autophagy, Smooth Muscle Cell Migration, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:

Recommended Detection Systems: Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).

Application Details: Western blot, 0.1-0.5 µg/mL

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/mL

Direct ELISA, 0.1-0.5 µg/mL

Restrictions:

For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 μg/mL.
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Product cited in:

"Retraction: Naringin Alleviates Diabetic Kidney Disease through Inhibiting Oxidative Stress and Inflammatory Reaction." in: **PLoS ONE**, Vol. 13, Issue 2, pp. e0192465, (2018) (PubMed).

Wang, Lv, Guo, Duan, Dong, Wang, Yu, Su, Kuang: "Pharmacological Effect of Caulophyllum robustum on Collagen-Induced Arthritis and Regulation of Nitric Oxide, NF-кВ, and Proinflammatory Cytokines In Vivo and In Vitro." in: **Evidence-based complementary and alternative medicine : eCAM**, Vol. 2017, pp. 8134321, (2018) (PubMed).

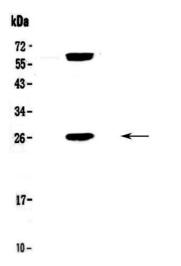
Liu, Zhang, Han, Wang, Liu, Zhang, Zhou, Xiang: "[Corrigendum] Inhibition of BTK protects lungs from trauma-hemorrhagic shock-induced injury in rats." in: **Molecular medicine reports**, Vol. 17, Issue 5, pp. 6926, (2018) (PubMed).

Wang, Liu, Wang, Wang, Tang, Jiang: "Src Promotes Metastasis of Human Non-Small Cell Lung Cancer Cells through Fn14-Mediated NF-kB Signaling." in: **Medical science monitor:** international medical journal of experimental and clinical research, Vol. 24, pp. 1282-1294, (2018) (PubMed).

Liu, Bao, Zeng, Wei: "Effects of resveratrol and genistein on nuclear factor-κB, tumor necrosis factor-α and matrix metalloproteinase-9 in patients with chronic obstructive pulmonary disease." in: **Molecular medicine reports**, Vol. 13, Issue 5, pp. 4266-72, (2017) (PubMed).

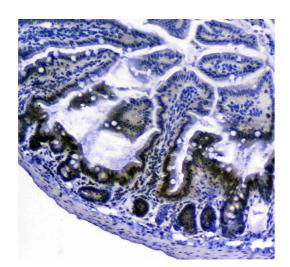
There are more publications referencing this product on: Product page

Images



Western Blotting

Image 1. Western blot analysis of Bcl-2 using anti-Bcl-2 antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 50ug of sample under reducing conditions. Lane 1: human MCF-7 cell lysate. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-



Bcl-2 antigen affinity purified polyclonal antibody (Catalog #) at 0.5 μ g/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Bcl-2 at approximately 26KD. The expected band size for Bcl-2 is at 26KD.

Immunohistochemistry

Image 2. IHC analysis of Bcl-2 using anti-Bcl-2 antibody . Bcl-2 was detected in paraffin-embedded section of mouse small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1μg/ml rabbit anti-Bcl-2 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.