

Datasheet for ABIN3043033

anti-BCL2L1 antibody (Middle Region)



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Overview

Quantity:	100 µg
Target:	BCL2L1
Binding Specificity:	AA 120-130, Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BCL2L1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-Bcl-XS/BCL2L1 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human Bcl-XS, different from the related rat and mouse sequences by one amino acid.
Sequence:	YQSFEQDTFV E
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Bcl-XS/BCL2L1 Antibody (ABIN3043033). Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: BCL2L1

Alternative Name: BCL2L1 ([BCL2L1 Products](#))

Background: Synonyms: Bcl-2-like protein 1, Bcl2-L-1, Apoptosis regulator Bcl-X, BCL2L1, BCL2L, BCLX, Tissue Specificity: Bcl-X (S) is expressed at high levels in cells that undergo a high rate of turnover, such as developing lymphocytes. In contrast, Bcl-X (L) is found in tissues containing long-lived postmitotic cells, such as adult brain.

Background: Bcl-xS is the second mRNA species of Bcl-x protein, which encodes a protein that inhibits the ability of bcl-2 to enhance the survival of growth factor-deprived cells. In vivo, bcl-xS mRNA is expressed at high levels in cells that undergo a high rate of turnover, such as developing lymphocytes. Apoptosis was associated with increased protein expression of Bcl-X/S, an early marker of apoptosis, and release of cytochrome c into the cytosol of infected HB cells.

Sequence Similarities: Belongs to the Bcl-2 family.

Molecular Weight: 19 kDa

UniProt: [Q07817](#)

Pathways: [Apoptosis](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

Application Details

Application Notes: Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human

Western blot, 0.1-0.5 µg/mL, Human, Rat, Mouse

1. "Entrez Gene: BCL2L1 BCL2-like 1". 2. Boise LH, González-García M, Postema CE, Ding L, Lindsten T, Turka LA, Mao X, Nuñez G, Thompson CB (Aug 1993). "bcl-x, a bcl-2-related gene that functions as a dominant regulator of apoptotic cell death". Cell 74(4): 597-608.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

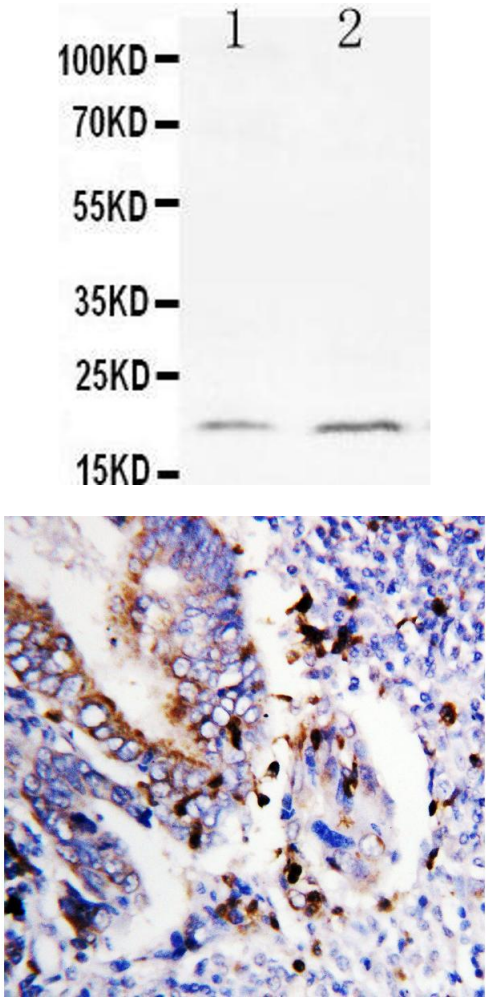
Format: Lyophilized

Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Publications

Product cited in:	Cui, Li, Xu, Zhang, Sun, Chen: "Emodin alleviates severe acute pancreatitis-associated acute lung injury by decreasing pre-B-cell colony-enhancing factor expression and promoting polymorphonuclear neutrophil apoptosis." in: Molecular medicine reports, Vol. 16, Issue 4, pp. 5121-5128, (2018) (PubMed). Zhou, Zhang, Li, Hao, Liu, Wang: "Azithromycin synergistically enhances anti-proliferative activity of vincristine in cervical and gastric cancer cells." in: Cancers, Vol. 4, Issue 4, pp. 1318-32, (2013) (PubMed).
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Western Blotting

Image 1. Anti-Bcl-XS antibody, Western blotting All lanes: Anti Bcl-XS at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: PC-12 Whole Cell Lysate at 40ug Predicted bind size: 19KD Observed bind size: 19KD

Immunohistochemistry

Image 2. Anti-Bcl-XS antibody, IHC(P) IHC(P): Human Colon Cancer Tissue