


Product datasheet

Anti-Bcl-XL antibody ab98143

★★★★★ [2 Abreviews](#) [5 References](#) [4 Images](#)

Overview

Product name	Anti-Bcl-XL antibody
Description	Rabbit polyclonal to Bcl-XL
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Cow, Cat, Pig 
Immunogen	Recombinant fragment corresponding to Human Bcl-XL aa 1-200. Database link: Q07817-1
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab98143 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/500 - 1/3000. Predicted molecular weight: 26 kDa.
IHC-P	★★★★★ (1)	1/100 - 1/500.

Target

Function

Potent inhibitor of cell death. Inhibits activation of caspases (By similarity). Appears to regulate cell death by blocking the voltage-dependent anion channel (VDAC) by binding to it and preventing the release of the caspase activator, CYC1, from the mitochondrial membrane. Isoform Bcl-X(S) promotes apoptosis.

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.

Sequence similarities

Belongs to the Bcl-2 family.

Domain

The BH4 motif is required for anti-apoptotic activity. The BH1 and BH2 motifs are required for both heterodimerization with other Bcl-2 family members and for repression of cell death.

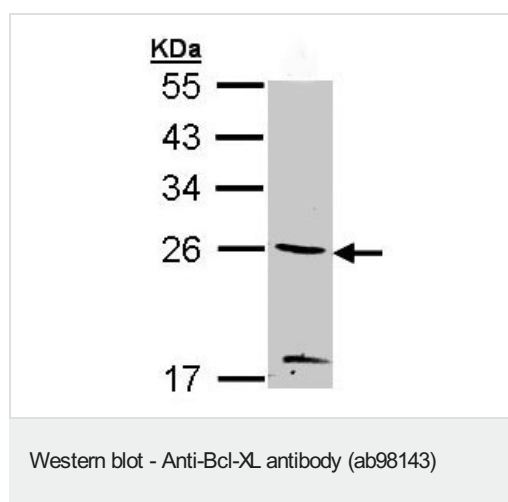
Post-translational modifications

Proteolytically cleaved by caspases during apoptosis. The cleaved protein, lacking the BH4 motif, has pro-apoptotic activity.

Cellular localization

Mitochondrion membrane. Nucleus membrane. Mitochondrial membranes and perinuclear envelope.

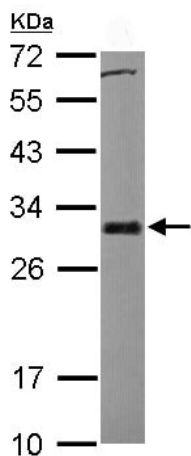
Images



Anti-Bcl-XL antibody (ab98143) at 1/1000 dilution + 293T whole cell lysate at 30 µg

Predicted band size: 26 kDa

12% SDS PAGE

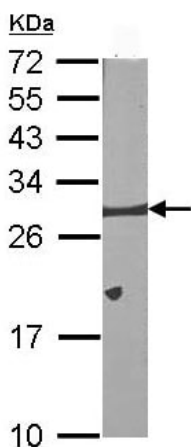


Western blot - Anti-Bcl-XL antibody (ab98143)

Anti-Bcl-XL antibody (ab98143) at 1/1000 dilution + HCT116 whole cell lysate at 30 µg

Predicted band size: 26 kDa

12% SDS PAGE

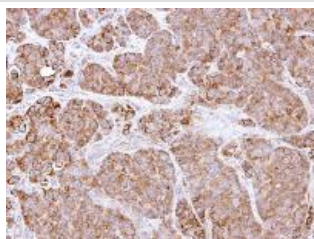


Western blot - Anti-Bcl-XL antibody (ab98143)

Anti-Bcl-XL antibody (ab98143) at 1/1000 dilution + NIH 3T3 whole cell lysate at 30 µg

Predicted band size: 26 kDa

12% SDS PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bcl-XL antibody (ab98143)

Immunohistochemical analysis of Bcl x in paraffin embedded SW480 xenograft, using ab98143 at a 1/500 dilution.

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