

Product datasheet

Anti-Bcl-XL antibody [BX006 + 2H12] - N-terminal ab201335

[2 References](#) [2 Images](#)

Overview

Product name	Anti-Bcl-XL antibody [BX006 + 2H12] - N-terminal
Description	Mouse monoclonal [BX006 + 2H12] to Bcl-XL - N-terminal
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human, Pig
Immunogen	<p>Synthetic peptide corresponding to Human Bcl-XL aa 3-14 (N terminal) (Cysteine residue). Sequence:</p> <p>QSNRELVVDFLS</p> <p>Database link: Q07817</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	Jurkat, K562, HL60, or HeLa Cells; Reed-Sternberg cells in Hodgkin's lymphoma.
General notes	<p>Please note that this antibody is an oligoclonal antibody. It is a cocktail of monoclonal antibodies that have been carefully selected. Oligoclonal antibodies have not only the specificity and batch-to-batch consistency of a monoclonal antibody, but also have the advantage of the sensitivity of a polyclonal antibody due to their ability to recognize multiple epitopes on an antigen.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p>

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 0.05% BSA, 99% PBS
Purity	Protein A/G purified
Purification notes	Purified from Bioreactor Concentrate.
Clonality	Monoclonal
Clone number	BX006 + 2H12
Isotype	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab201335** 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		Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 26 kDa.
IHC-P		Use a concentration of 0.5 - 1 µg/ml. 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 1mM EDTA buffer, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes.

Target

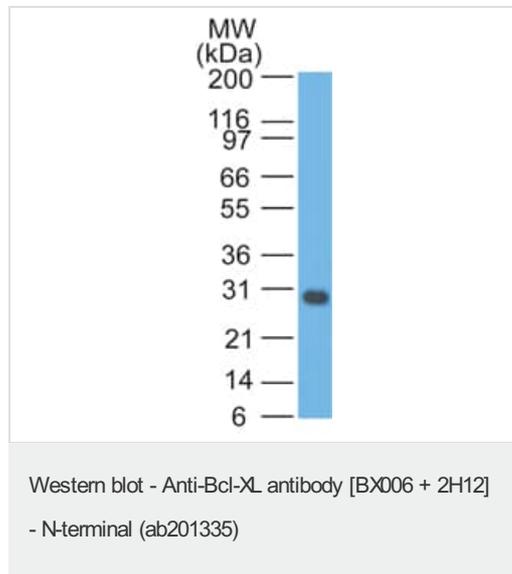
Function	Potent inhibitor of cell death. Inhibits activation of caspases (By similarity). Appears to regulate cell death by blocking the voltage-dependent anion channel (VDAC) by binding to it and preventing the release of the caspase activator, CYC1, from the mitochondrial membrane. Isoform Bcl-X(S) 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	Proteolytically cleaved by caspases during apoptosis. The cleaved protein, lacking the BH4 motif,

modifications

has pro-apoptotic activity.

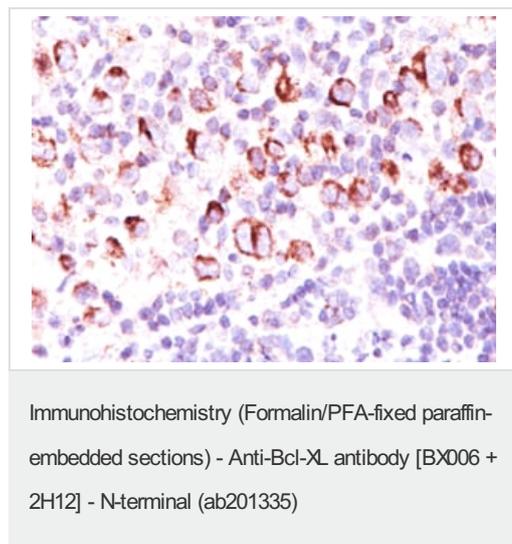
Cellular localization

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

Images

Anti-Bcl-XL antibody [BX006 + 2H12] - N-terminal (ab201335) at 1 μ g/ml + Jurkat cell lysate

Predicted band size: 26 kDa



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human Hodgkin's lymphoma tissue labeling Bcl x with ab201335 at 1 μ g/ml.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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