

Product Datasheet

Bcl-xL Antibody NB100-56104

Unit Size: 0.05 ml

Store at -20C. Avoid freeze-thaw cycles.

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Updated 10/23/2024 v.20.1

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NB100-56104**Bcl-xL Antibody**

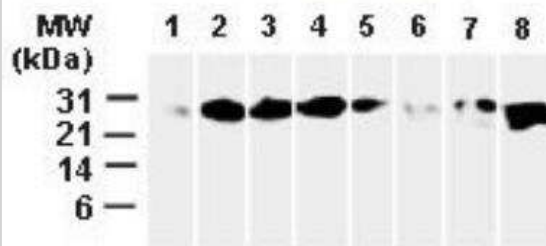
Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera

Product Description	
Host	Rabbit
Gene ID	598
Gene Symbol	BCL2L1
Species	Human, Mouse, Rat, Canine
Reactivity Notes	Mouse, Canine, Rat reactivity reported in scientific literature (PMID: 15380478).
Specificity/Sensitivity	Bcl-XL+S
Immunogen	A synthetic peptide corresponding to amino acids 46-66 (ETPSAINGNPSWHLADSPAVN) of human Bcl-xL was used as immunogen; GenBank no. CAA80661.1. The immunogen sequence is 100% conserved in Bcl-XS. The immunogen sequence is 100% in multiple species including mouse, rat, dog, cow, gerbil, and sheep.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry, Immunoprecipitation 1:50-1:200, Immunohistochemistry-Paraffin 1:1000-1:5000, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	IHC (frozen): Users should optimize according to model and immunodetection system used (secondary reagents)

Images

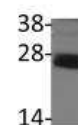
Western Blot: Bcl-xL Antibody [NB100-56104] - WB analysis of tissue lysates from breast surgical tumor tissue biopsies (Lanes 1-7). Bcl-XS is not detected and variable amounts of Bcl-XL (~30 kDa) is detected. Lane 8. Recombinant Bcl-XL (positive control).



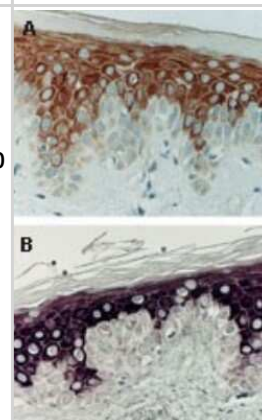
Western Blot: Bcl-xL Antibody [NB100-56104] - Analysis of Bcl-xL in Daoy whole cell lysate using anti-Bcl-xL antibody. Image from verified customer review.

BCLXL NB100-56104

38
28
14



Immunohistochemistry-Paraffin: Bcl-xL Antibody [NB100-56104] - Formalin-fixed paraffin-embedded sections of human epidermis stained for Bcl-xL expression. The bottom image was negative for Bcl-xL expression. The adjacent stratum spinosum and middle stratum granulosum layers were both very positive for Bcl-xL expression. The top stratum corneum consisting mainly of dead or peeling cells were both negative for Bcl-xL expression.

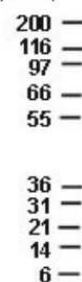


Western Blot: Bcl-xL Antibody [NB100-56104] - Analysis of Bcl-xL in lysates from isolated rat liver mitochondria using this antibody. The antibody detected Bcl-xL at ~30 kDa.

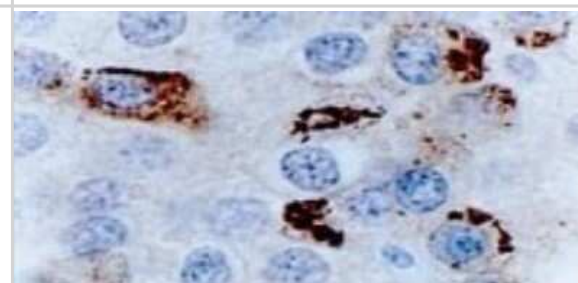
MW
(kDa)

200 —
116 —
97 —
66 —
55 —

36 —
31 —
21 —
14 —
6 —



Immunohistochemistry-Paraffin: Bcl-xL Antibody [NB100-56104] - Analysis of Bcl-xL in human breast carcinoma at 1:2000. Formalin-fixed, paraffin-embedded tissue section from invasive ductal carcinoma. An organellar/mitochondrial pattern of Bcl-xL staining is observed in the cytosol of tumor cells.



Publications

Srivastava S, Gajwani P, Jousma J et al. Nuclear translocation of mitochondrial dehydrogenases as an adaptive cardioprotective mechanism Nature communications 2023-07-19 [PMID: 37468519] (WB, Human)

Details:

Dilutions: 1:1000

Saleh T, El-Sadoni M, Alhesa A Et al. Expression of Senescence and Apoptosis Biomarkers in Synchronous Bilateral Breast Cancer: A Case Report Current oncology (Toronto, Ont.) 2021-09-30 [PMID: 34677245] (IF/IHC, Human)

Krajewska M, Rosenthal RE, Mikolajczyk J et al. Early processing of Bid and caspase-6, -8, -10, -14 in the canine brain during cardiac arrest and resuscitation. Exp Neurol. 2004-10-01 [PMID: 15380478] (IHC-P, WB, Mouse, Canine, Rat)

Details:

Antibodies cited: 1. Caspase-9 (Active/Cleaved), IMG-5705: WB: Fig 1A (recombinant human caspase-9), Fig 4A (recombinant human caspase-9, rat brain), Fig 4B-F (isolated mitochondria from rat liver or heart). Fig 5 (PC12 cells) IHC (P): Fig 2d-k (rat kidney)





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Products Related to NB100-56104

NBL1-07946	Bcl-xL Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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