

# Product Datasheet

## Bcl-2 Antibody (8C8) NBP2-29630

Unit Size: 0.1 mg

Store at 4C.

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### Publications: 1

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**NBP2-29630**

Bcl-2 Antibody (8C8)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	8C8
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

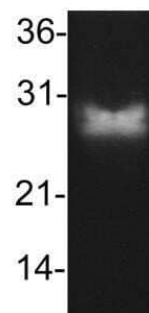
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-33313)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	596
Gene Symbol	BCL2
Species	Human, Porcine, Monkey, Mouse (Negative), Rat (Negative)
Reactivity Notes	Does not react with Mouse or Rat.
Marker	Apoptosis & Follicular Lymphoma Marker
Specificity/Sensitivity	This antibody recognizes a protein of 25-26kDa, identified as the Bcl-2 alpha oncoprotein. It shows no cross-reaction with Bcl-x or Bax protein. Expression of Bcl-2 alpha oncoprotein inhibits the programmed cell death (apoptosis). In most follicular lymphomas, neoplastic germinal centers express high levels of Bcl-2 alpha protein, whereas the normal or hyperplastic germinal centers are negative. Consequently, this antibody is valuable when distinguishing between reactive and neoplastic follicular proliferation in lymph node biopsies. It may also be used in distinguishing between those follicular lymphomas that express Bcl-2 protein and the small number in which the neoplastic cells are Bcl-2 negative.
Immunogen	A synthetic peptide, aa41-54 (GAAPAPGIFSSQPG-Cys) of human Bcl-2 protein. (Uniprot: P10415)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry 0.5-1ug/ml, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

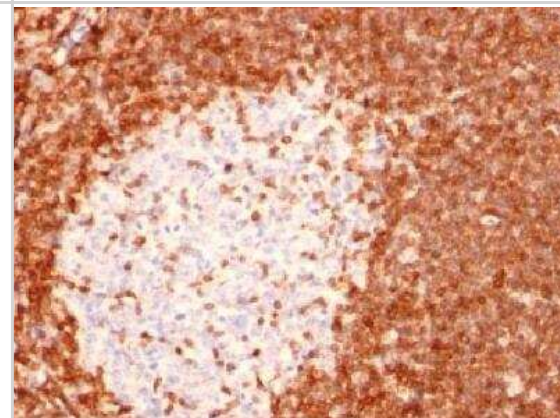


## Images

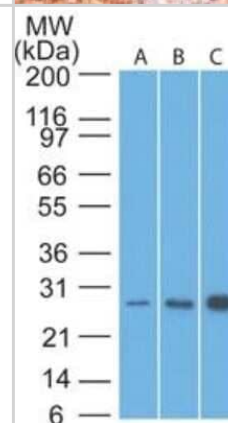
Western Blot: Bcl-2 Antibody (8C8) [NBP2-29630] - Analysis using the Azide and BSA Free version of NBP2-29630. Detection of Bcl-2 in 293T cell lysate (30ug) using Bcl-2 HRP conjugated antibody. Image from verified customer review.



Immunohistochemistry-Paraffin: Bcl-2 Antibody (8C8) [NBP2-29630] - Immunohistochemistry-Paraffin: Bcl-2 Antibody (8C8) [NBP2-29630] - Formalin-fixed, paraffin-embedded human tonsil stained with Bcl-2 antibody (1:200), peroxidase-conjugate and DAB chromogen. Note cell membrane and cytoplasmic staining. Staining of formalin-fixed tissues **REQUIRES** boiling tissue sections in 1mM EDTA, pH 8.0 for 10-20 min followed by cooling at RT for 20 min. Epitope unmasking in EDTA (compared to Citrate buffer) is superior.



Western Blot: Bcl-2 Antibody (8C8) [NBP2-29630] - Analysis of Bcl-2 in human A) HeLa, B) A549 and C) MCF7 lysate using Bcl-2 antibody at 2 ug/ml.



## Publications

Romera A, Cebollero M, Romero-Gomez B et al. Effect of Intravenous Lidocaine on Inflammatory and Apoptotic Response of Ischemia-Reperfusion Injury in Pigs Undergoing Lung Resection Surgery *BioMed Research International* 2021-06-04 [PMID: 34195274] (IF/IHC, Porcine)



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### **Products Related to NBP2-29630**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-34889-100ug	Recombinant Human Bcl-2 Protein

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### **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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