Bcl-2 Rabbit mAb

Catalog No: #49367

Package Size: #49367-1 50ul #49367-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

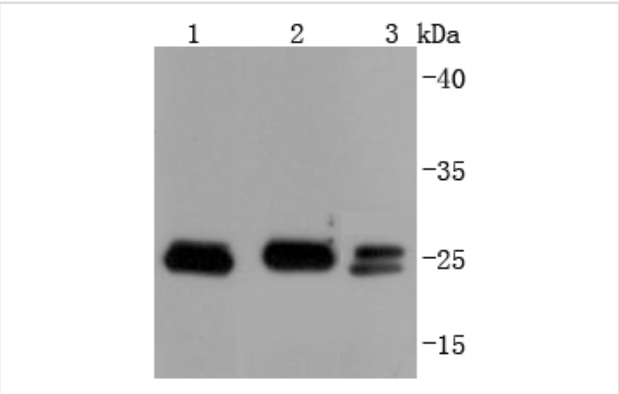
Description

Product Name	Bcl-2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JF104-8
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Apoptosis regulator Bcl 2 antibody Apoptosis regulator Bcl-2 antibody Apoptosis regulator Bcl2 antibody AW986256 antibody B cell CLL/lymphoma 2 antibody B cell leukemia/lymphoma 2 antibody Bcl-2 antibody Bcl2 antibody BCL2_HUMAN antibody C430015F12Rik antibody D630044D05Rik antibody D830018M01Rik antibody Leukemia/lymphoma, B-cell, 2 antibody Oncogene B-cell leukemia 2 antibody PPP1R50 antibody Protein phosphatase 1, regulatory subunit 50 antibody
Accession No.	Swiss-Prot#:P10415
Calculated MW	26/22 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

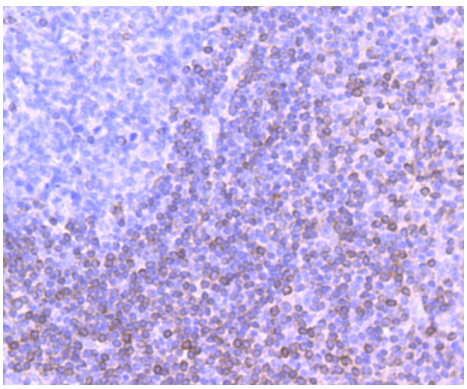
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

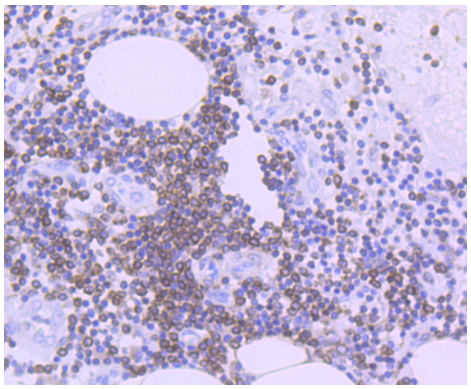
Images



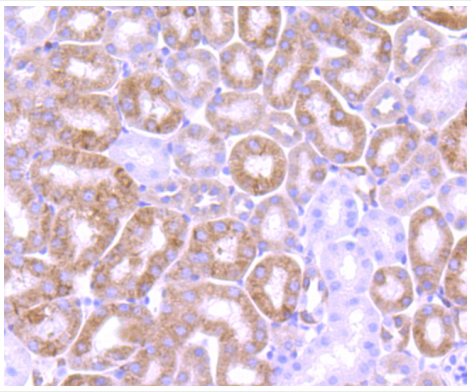
Western blot analysis of Bcl-2 on different lysates using anti-Bcl-2 antibody at 1/1,000 dilution. Positive control: Lane 1: Hela Lane 2: Jurkat Lane 3: MCF-7



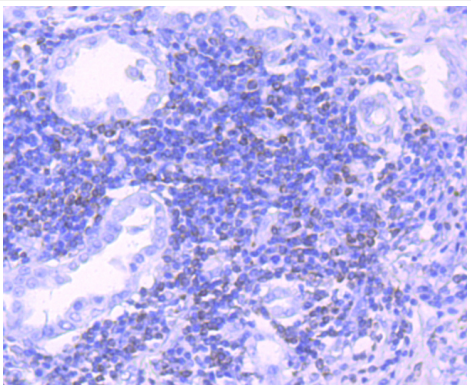
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Bcl-2 antibody. Counter stained with hematoxylin.



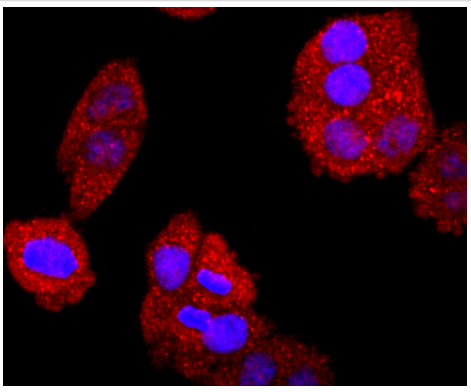
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Bcl-2 antibody. Counter stained with hematoxylin.



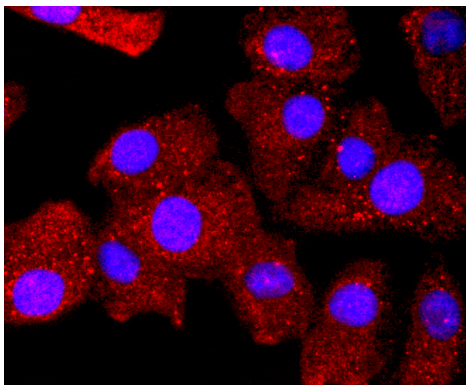
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Bcl-2 antibody. Counter stained with hematoxylin.



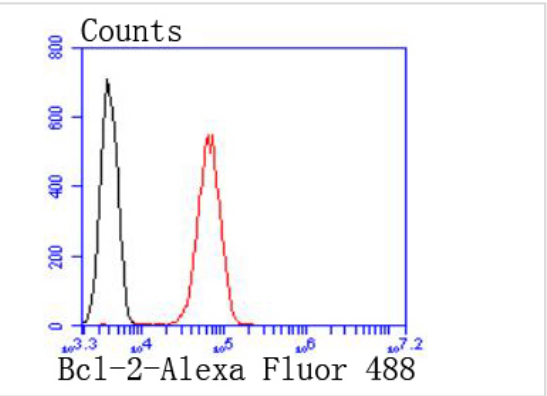
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-Bcl-2 antibody. Counter stained with hematoxylin.



ICC staining Bcl-2 in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Bcl-2 in A549 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with Bcl-2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Bcl-2 is one among many key regulators of apoptosis, which are essential for proper development, tissue homeostasis, and protection against foreign pathogens. Human Bcl-2 is an anti-apoptotic, membrane-associated oncoprotein that can promote cell survival through protein-protein interactions with other Bcl-2 related family members, such as the death suppressors Bcl-xL, Mcl-1, Bcl-w, and A1 or the death agonists Bax, Bak, Bik, Bad, and Bid. The anti-apoptotic function of Bcl-2 can also be regulated through proteolytic processing and phospho-rylation. Bcl-2 may promote cell survival by interfering with the activation of the cytochrome c/Apaf-1 pathway through stabilization of the mitochondrial membrane. Mutations in the Bcl-2 gene can contribute to cancers where normal physiological cell death mechanisms are compromised by deregulation of the anti-apoptotic influence of Bcl-2.

References

Published Papers

Miao Lv;Xiaoxiao Song;Weitao Wang;Jiale Li;Jiewen Chen;Xiaolan Huang;Li Su;Lian Gu el at., LncRNA SERPINB9P1 Mitigates Cerebral Injury Induced by Oxygenβ Glucose Deprivation/Reoxygenation by Interacting with HSPA2., , (2025)

PMID:39798045

Note: This product is for in vitro research use only and is not intended for use in humans or animals.