

Bcl-2 Antibody

Catalog No: #48496



Package Size: #48496-1 50ul #48496-2 100ul

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

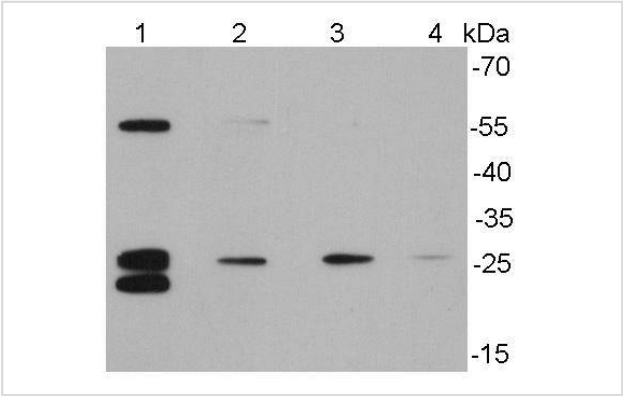
Description

Product Name	Bcl-2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	WB;ICC;;IHC;FC
Species Reactivity	Human
Immunogen Description	Synthetic peptide (KLH-coupled) within human Bcl-2 aa 20-80.
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	26kDa
SDS-PAGE MW	26kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

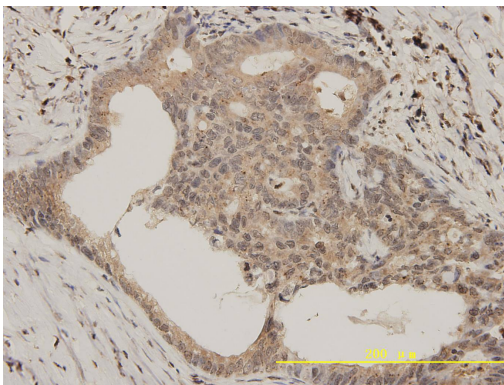
Application Details

WB 1:500-1:2000;
IHC 1:50-1:200;
ICC 1:50-1:200;
FC: 1:50-1:100

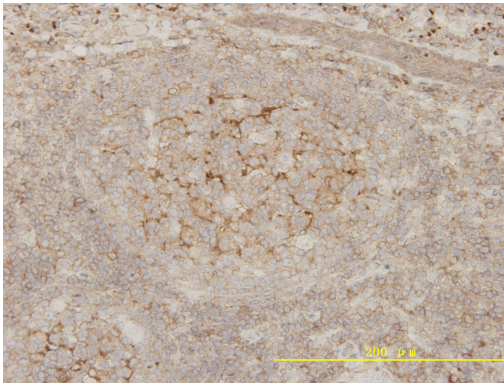
Images



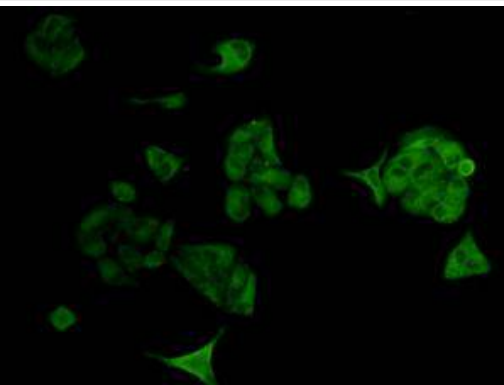
Western blot analysis of Bcl-2 on different cell lysates using anti-Bcl-2 antibody at 1/500 dilution.



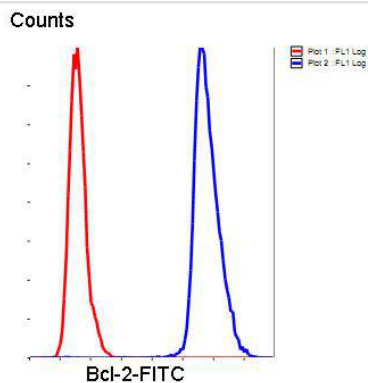
Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using anti-Bcl-2 rabbit polyclonal antibody. Counter stained with hematoxylin.



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



ICC staining Bcl-2 in Hela cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with Bcl-2 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti rabbit IgG (FITC) was used as the secondary antibody.

Background

Damage to the Bcl-2 gene has been identified as a cause of a number of cancers, including melanoma, breast, prostate, chronic lymphocytic leukemia, and lung cancer, and a possible cause of schizophrenia and autoimmunity. It is also a cause of resistance to cancer treatments. Antibodies to Bcl-2 can be used with immunohistochemistry to identify cells containing the antigen. In healthy tissue, these antibodies will react with B-cells in the mantle zone, as well as some T-cells. However, there is a considerable increase in positive cells in follicular lymphoma, as well as many other forms of cancer. In some cases, the presence or absence of Bcl-2 staining in biopsies may be significant for the patient's prognosis or likelihood of relapse.

References

1. Li J., Y"BNIP-2, a novel homologue of BNIP-2, interacts with Bcl-2 and Cdc42GAP in apoptosis." Qin W., Hu J., Guo M., Xu J., ao G., Zhou X., Jiang H., Zhang P., Shen L., Wan D., Gu J. Biochem. Biophys. Res. Commun. 308:379-385(2003)
2. "The flexible loop of Bcl-2 is required for molecular interaction with immunosuppressant FK-506 binding protein 38 (FKBP38)." Kang C.B., Tai J., Chia J., Yoon H.S. FEBS Lett. 579:1469-1476(2005)
3. "An inhibitor of Bcl-2 family proteins induces regression of solid tumours." Oltersdorf T., Elmore S.W., Shoemaker A.R., Armstrong R.C., Augeri D.J., Belli B.A., Bruncko M., Deckwerth T.L., Dinges J., Hajduk P.J., Joseph M.K., Kitada S., Korsmeyer S.J., Kunzer A.R., Letai A., Li C., Mitten M.J., Nettesheim D.G. Rosenberg S.H. Nature 4

Published Papers

el at., 5l ζ itroi ?l ?3l ζ henylpropylamino) benzoic acid induces apoptosis of human lens epithelial cells via reactive oxygen species and endoplasmic reticulum stress through the mitochondrial apoptosis pathway. In Int J Mol Med on 2021 Apr by Lingzhi Niu, Xin Liu,et al..PMID:33604681, , (2021)

[PMID:33604681](#)

el at., Neferine, a novel ROCK1-targeting inhibitor, blocks EMT process and induces apoptosis in non-small cell lung cancer. In J Cancer Res Clin Oncol on 2022 Aug 19
by Po Hu, Peng Wan, et al..PMID:35984492, , (2022)

[PMID:35984492](#)

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