

# Bcl-XL Rabbit mAb

Catalog No: #48688

Package Size: #48688-1 50ul #48688-2 100ul

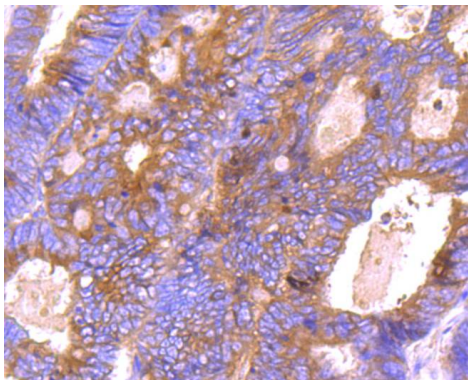
## Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Bcl-XL Rabbit mAb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Host Species          | Recombinant Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Clonality             | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clone No.             | SZ3-03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Purification          | ProA affinity purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applications          | WB, ICC/IF, IHC, IP, FC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Species Reactivity    | Hu, Ms, Rt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Immunogen Description | recombinant protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Conjugates            | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Other Names           | Apoptosis regulator Bcl X antibody Apoptosis regulator Bcl-X antibody Apoptosis regulator BclX antibody B cell lymphoma 2 like antibody B2CL1_HUMAN antibody Bcl 2 like 1 protein antibody Bcl X antibody Bcl xL antibody BCL XL/S antibody Bcl xS antibody Bcl-2-like protein 1 antibody Bcl2 Like 1 antibody Bcl2 related gene antibody Bcl2-L-1 antibody BCL2L antibody Bcl2l1 antibody BCLX antibody BclXL antibody BclXs antibody DKFZp781P2092 antibody PPP1R52 antibody Protein phosphatase 1 regulatory subunit 52 antibody |
| Accession No.         | Swiss-Prot#:Q07817                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Calculated MW         | 26 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Formulation           | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Storage               | Store at -20°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

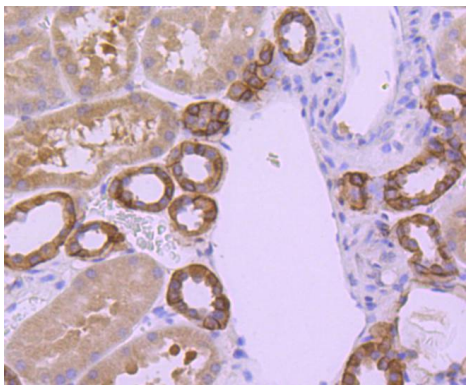
## Application Details

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

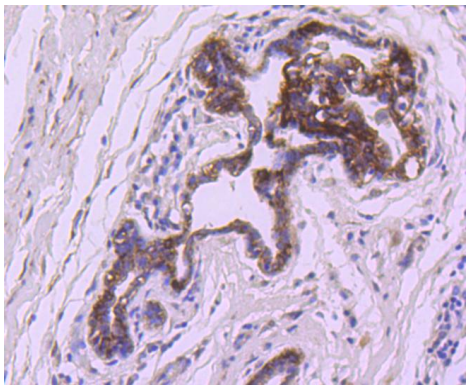
## Images



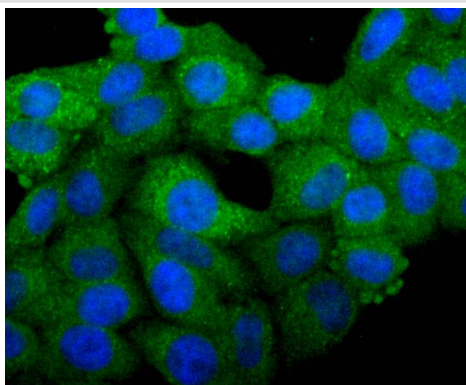
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Bcl-XL antibody. Counter stained with hematoxylin.



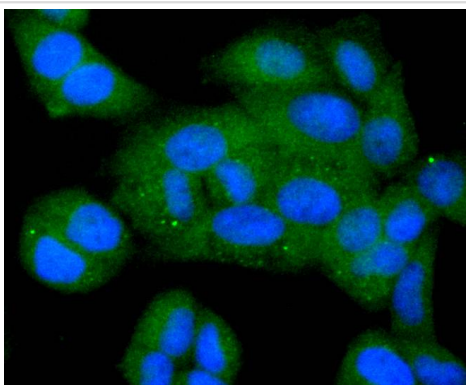
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Bcl-XL antibody. Counter stained with hematoxylin.



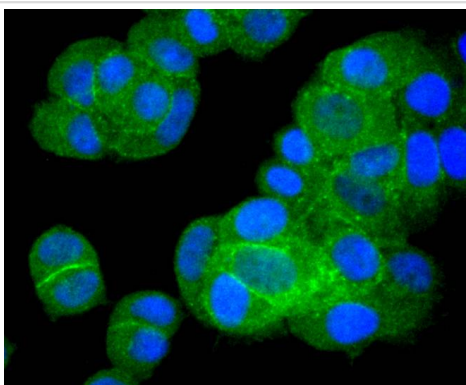
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Bcl-XL antibody. Counter stained with hematoxylin.



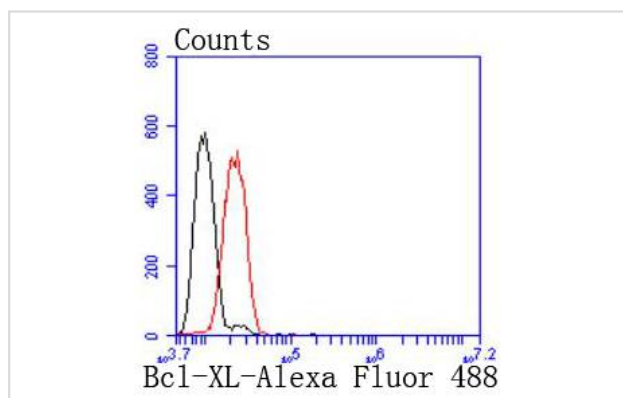
ICC staining Bcl-XL in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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



ICC staining Bcl-XL in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with Bcl-XL 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

The Bcl-2 gene was isolated at the chromosomal breakpoint of t(14;18) bearing follicular B cell lymphomas. Bcl-2 blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal. A second protein, designated Bcl-associated X protein (Bax) p21, has extensive amino acid homology with Bcl-2 and both homodimerizes and heterodimerizes with Bcl-2. Overexpression of Bax accelerates apoptotic death induced by cytokine deprivation in an IL-3-dependent cell line, and Bax also counters the death repressor activity of Bcl-2. Bcl-x, one of several additional proteins with sequence homology to Bcl-2, is expressed as Bcl-xL, a 233 amino acid protein with 43% sequence identity with Bcl-2 that suppresses cell death, and Bcl-xS, a shorter variant that is 178 amino acids in length and lacks a 63 amino acid region (amino acids 126-188) found in Bcl-xL and which functions as a dominant inhibitor of Bcl-2. A further apoptosis-inducing protein, Bad, dimerizes both with Bcl-xL and to a lesser extent with Bcl-2, thus displacing Bax and inducing apoptosis.

## References

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