

Datasheet for ABIN5557286
anti-BCL2L1 antibody



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2 Images

Overview

Quantity:	100 µL
Target:	BCL2L1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This BCL2L1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	Recombinant human Bcl-XL protein, around 1-100aa.
Clone:	12C5
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	BCL2L1
Alternative Name:	Bcl-XL (BCL2L1 Products)
Background:	Synonyms: BCL2L1 phospho T47, BCL2L1 phospho Thr47, p-BCL2L1 phospho T47, p-BCL2L1

Target Details

Thr47, p-BCL2L1Thr115, Apoptosis regulator Bcl X, BclX, Bcl-X, Bcl 2 like 1, Bcl 2 like 1 protein, Bcl xL, BCL X/L, BCL XL/S, Bcl xS, Bcl2 like1, BCL2-related gene, BCL2-related protein, long isoform, included, BCLXL, included, BCL2-related protein, short isoform, included, BCLXS, included, BCL2L, BCL2L1, Bclx, DKFZp781P2092, MGC113803, MGC99998, B2CL1_HUMAN.

Background: The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The proteins encoded by this gene are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Two alternatively spliced transcript variants, which encode distinct isoforms, have been reported. The longer isoform acts as an apoptotic inhibitor and the shorter form acts as an apoptotic activator. [provided by RefSeq, Jul 2008].

Gene ID:	598
UniProt:	Q07817
Pathways:	Apoptosis, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

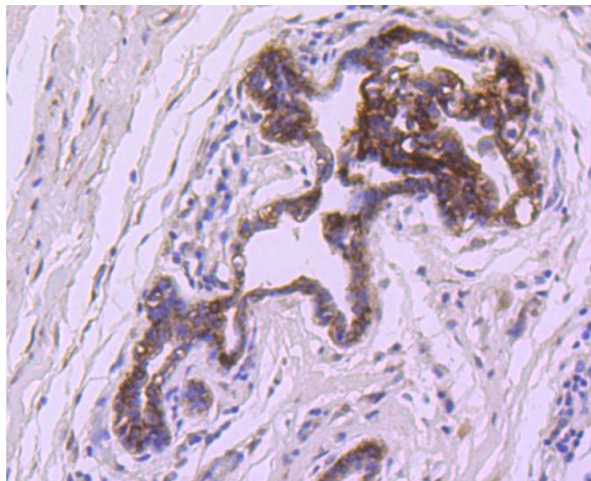
Handling

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

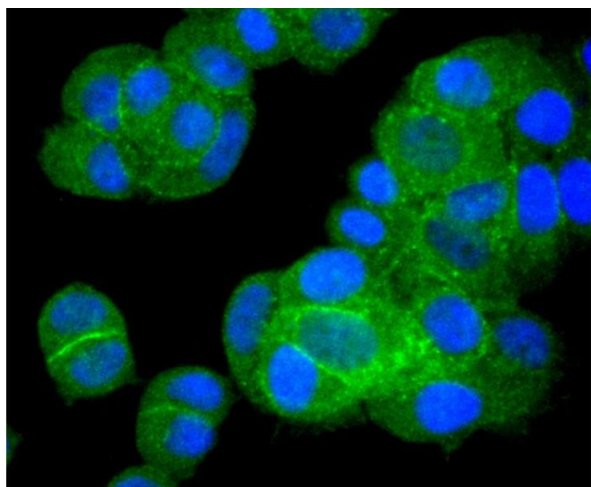
Expiry Date: 12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded Human kidney, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer at 37°C for 20min, Antibody incubation with Bcl-XL (12C5) Monoclonal Antibody at 1:50 overnight at 4°C, followed by a conjugated secondary and DAB staining.



Immunofluorescence (Cultured Cells)

Image 2. HeLa cells were fixed in paraformaldehyde, permeabilized with 0.25% Triton X100/PBS and stained with Bcl-XL (12C5) Monoclonal Antibody at 1:200 and incubated overnight at 4C, followed by secondary antibody incubation, DAPI staining of the nuclei and detection.