

Datasheet for ABIN4906518
anti-BCL2L1 antibody



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1 Image

Overview

Quantity:	100 µL
Target:	BCL2L1
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	Purified His-tagged BCL2L1 protein was used to produced this monoclonal antibody.
Clone:	4C4
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Target Details

Target:	BCL2L1
Alternative Name:	BCL2L1 (BCL2L1 Products)
Background:	Synonyms: BCLX, BCL2L, Bcl-X, PPP1R52, BCL-XL/S, Bcl-2-like protein 1, Bcl2-L-1, Apoptosis regulator Bcl-X, BCL2L1

Target Details

Background: Potent inhibitor of cell death. Inhibits activation of caspases. Appears to regulate cell death by blocking the voltage-dependent anion channel (VDAC) by binding to it and preventing the release of the caspase activator, CYC1, from the mitochondrial membrane. Also acts as a regulator of G2 checkpoint and progression to cytokinesis during mitosis. Isoform Bcl-X(L) also regulates presynaptic plasticity, including neurotransmitter release and recovery, number of axonal mitochondria as well as size and number of synaptic vesicle clusters. During synaptic stimulation, increases ATP availability from mitochondria through regulation of mitochondrial membrane ATP synthase F(1)F(0) activity and regulates endocytic vesicle retrieval in hippocampal neurons through association with DMN1L and stimulation of its GTPase activity in synaptic vesicles. May attenuate inflammation impairing NLRP1-inflammasome activation, hence CASP1 activation and IL1B release (PubMed:17418785). Isoform Bcl-X(S) promotes apoptosis.

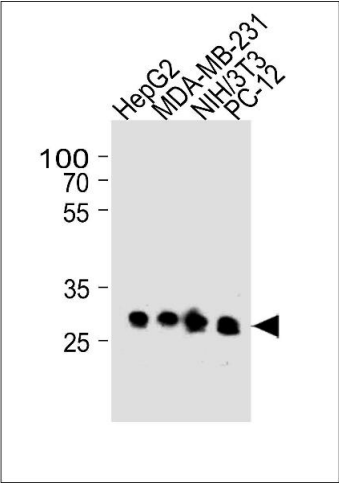
Gene ID:	598
UniProt:	Q07817
Pathways:	Apoptosis , Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	WB 1:300-5000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
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



Western Blotting

Image 1. Lane 1: HepG2 Cell lysates, Lane 2: MDA-MB-231 Cell lysates, Lane 3: NIH/3T3 Cell lysates, Lane 4: PC-12 Cell lysates, probed with BCL2L1 (804CT19.1.4) Monoclonal Antibody, unconjugated (bsm-51229M) at 1:1000 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.