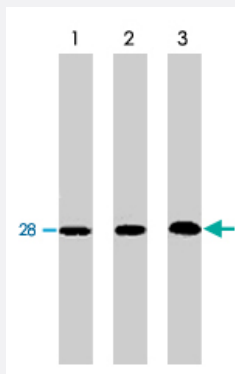


BCL2L1 monoclonal antibody, clone 2H12

Catalog # MAB1802 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of BCL2L1 expression in thymocytes from human (lane 1) mouse (lane 2) and rat (lane 3). Using BCL2L1 monoclonal antibody, clone 2H12 (Cat # MAB1802).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of BCL2L1.
Immunogen	A synthetic peptide corresponding to amino acids 3-14 of human BCL2L1.
Host	Mouse
Reactivity	Human, Mouse, Rat
Form	Liquid
Isotype	IgG2a
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of BCL2L1 expression in thymocytes from human (lane 1) mouse (lane 2) and rat (lane 3). Using BCL2L1 monoclonal antibody, clone 2H12 (Cat # MAB1802).

Gene Info — BCL2L1

Entrez GeneID	598
Gene Name	BCL2L1
Gene Alias	BCL-XL/S, BCL2L, BCLX, Bcl-X, DKFZp781P2092, bcl-xL, bcl-xS
Gene Description	BCL2-like 1
Omim ID	600039
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000030550 OTTHUMP00000030551 OTTHUMP00000030553

Publication Reference

- [Nonionic detergents induce dimerization among members of the Bcl-2 family.](#)

Hsu YT, Youle RJ.

The Journal of Biological Chemistry 1997 May; 272(21):13829.

Application: IP, WB-Ce, Human, Mouse, Human and Mouse thymocytes

- [Cytosol-to-membrane redistribution of Bax and Bcl-X\(L\) during apoptosis.](#)

Hsu YT, Wolter KG, Youle RJ.

PNAS 1997 Apr; 94(8):3668.

Application: WB-Ce, Mouse, Thymocytes

- [bcl-x, a bcl-2-related gene that functions as a dominant regulator of apoptotic cell death.](#)

Boise LH, González-García M, Postema CE, Ding L, Lindsten T, Turka LA, Mao X, Nuñez G, Thompson CB.

Cell 1993 Aug; 74(4):597.

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [Chronic myeloid leukemia](#)
- [Jak-STAT signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer Disease](#)
- [Amnesia](#)
- [Cognition Disorders](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)

- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Sclerosis](#)
- [Neoplasm Metastasis](#)
- [Neuropsychological Tests](#)
- [Occupational Diseases](#)
- [Ovarian Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)