For Research Use Only

mouse Bcl2 Monoclonal antibody

Catalog Number:68103-1-Ig Featured Product 71 Publications

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Basic Information

Catalog Number:
68103-1-Ig

Size:
150ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG24261

GenBank Accession Number:
NM-009741

GeneID (NCBI):
12043

Full Name:
B-cell leukemia/lymphoma 2

Calculated MW:
26 kDa

Observed MW:
26 kDa

Purification Method:
Protein A purification

CloneNo.:
1B3F7

Recommended Dilutions:
WB 1:5000-1:50000
IF 1:400-1:1600

Applications

Tested Applications:
WB, IF, IHC, ELISA

Cited Applications:
WB, IF, IHC

Species Specificity:
mouse, rat

Cited Species:
rat, mouse

Positive Controls:

WB : HSC-T6 cells, C2C12 cells, NIH/3T3 cells, mouse spleen tissue, mouse brain tissue, rat spleen tissue, RAW 264.7 cells, rat brain tissue

IF : NIH/3T3 cells,

Background Information

Bcl2 is a member of the B cell lymphoma 2 protein family. Members of this family regulate cell death in multiple cell types and can have either proapoptotic or antiapoptotic activities. The protein encoded by this gene inhibits mitochondrial-mediated apoptosis. This protein is an integral outer mitochondrial membrane protein that functions as part of signaling pathway that controls mitochondrial permeability in response to apoptotic stimuli. This protein may also play a role in neuron cell survival and autophagy. Abnormal expression and chromosomal translocations of this gene are associated with cancer progression in numerous tissues.

Notable Publications

Author	Pubmed ID	Journal	Application
Yujie Zhong	36501024	Nutrients	WB
Gaopeng Guan	36333115	Small	WB
Dalong Wang	36331006	Phytother Res	WB

Storage

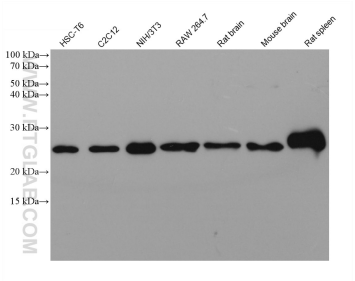
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

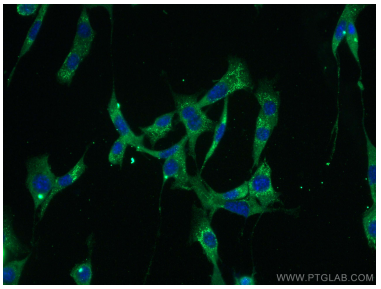
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68103-1-Ig (Bcl2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using Bcl2 antibody (68103-1-Ig, Clone: 1B3F7) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).