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BCL2L2

Purified Mouse Monoclonal Antibody
Catalog # AO2612a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q92843
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	4G12E6
Isotype	Mouse IgG2a
Calculated MW	20746
Immunogen	Purified recombinant fragment of human BCL2L2 (AA: 6-118) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	599
Other Names	BCLW; BCL-W; PPP1R51; BCL2-L-2
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	BCL2L2 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BCL2L2
Synonyms	BCLW, KIAA0271
Function	Promotes cell survival. Blocks dexamethasone-induced apoptosis. Mediates survival of postmitotic Sertoli cells by suppressing death-promoting activity of BAX.
Cellular Location	Mitochondrion membrane; Peripheral membrane protein. Note=Loosely associated with the mitochondrial membrane in healthy cells. During apoptosis, tightly bound to the membrane

Tissue Location	Expressed (at protein level) in a wide range of tissues with highest levels in brain, spinal cord, testis, pancreas, heart, spleen and mammary glands. Moderate levels found in thymus, ovary and small intestine. Not detected in salivary gland, muscle or liver. Also expressed in cell lines of myeloid, fibroblast and epithelial origin. Not detected in most lymphoid cell lines

References

1.Med Sci Monit. 2016 Nov 1;22:4139-4145.2.Food Chem Toxicol. 2010 Aug-Sep;48(8-9):2259-64.

Images

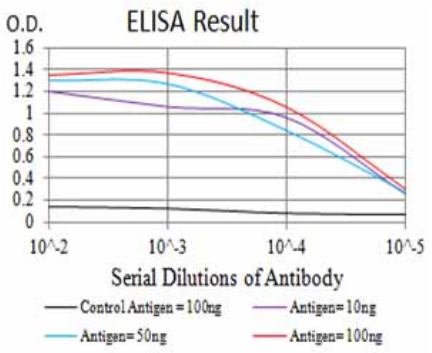


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

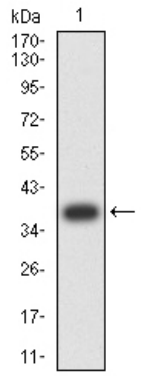


Figure 2:Western blot analysis using BCL2L2 mAb against human BCL2L2 (AA: 6-118) recombinant protein. (Expected MW is 38.2 kDa)

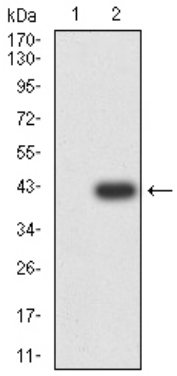
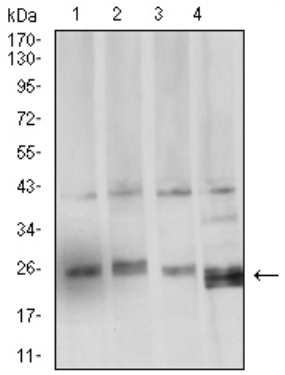


Figure 3:Western blot analysis using BCL2L2 mAb against HEK293 (1) and BCL2L2 (AA: 6-118)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Western blot analysis using BCL2L2 mouse mAb against HCT116 (1), LOVO (2), SW480 (3), and HL-60 (4) cell lysate.



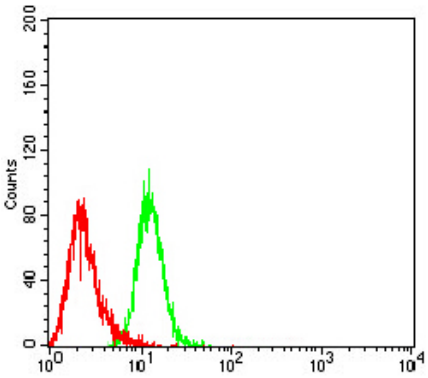


Figure 6:Flow cytometric analysis of Hela cells using BCL2L2 mouse mAb (green) and negative control (red).

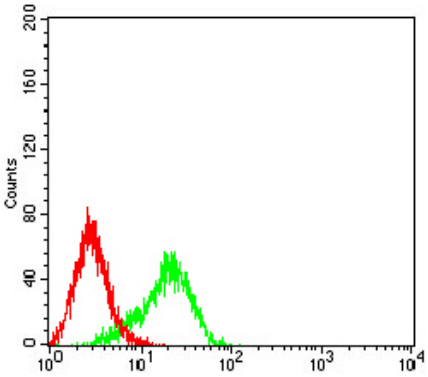


Figure 7:Flow cytometric analysis of K562 cells using BCL2L2 mouse mAb (green) and negative control (red).

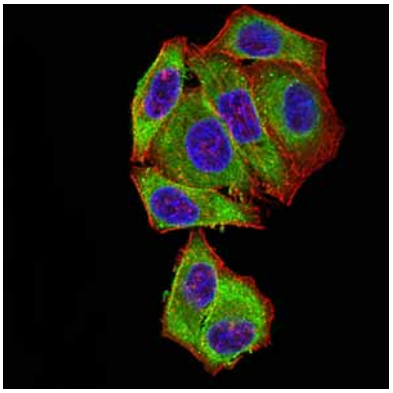


Figure 5:Immunofluorescence analysis of Hela cells using BCL2L2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.