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BCL2L10

Purified Mouse Monoclonal Antibody
Catalog # AO2542a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q9HD36
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	8A2F9
Isotype	Mouse IgG1
Calculated MW	23204
Immunogen	Purified recombinant fragment of human BCL2L10 (AA: 31-186) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	10017
Other Names	Boo; Diva; BCL-B; bcl2-L-10
Dilution	WB~~ 1/500 - 1/2000 IHC~~ 1/200 - 1/1000 ICC~~ 1/200 - 1/1000 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	BCL2L10 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BCL2L10 {ECO:0000303|PubMed:17532299}
Function	Promotes cell survival by suppressing apoptosis induced by BAX but not BAK (PubMed:11278245, PubMed:11689480). Increases binding of AHCYL1/IRBIT to ITPR1 (PubMed:27995898). Reduces ITPR1-mediated calcium release from the endoplasmic reticulum cooperatively with AHCYL1/IRBIT under normal cellular conditions (PubMed:27995898). Under apoptotic stress conditions, dissociates from ITPR1 and is displaced from mitochondria-associated endoplasmic reticulum membranes, leading to increased Ca(2+) transfer to mitochondria which promotes apoptosis (PubMed:27995898). Required for the correct formation of the microtubule organizing center during oocyte cell

	division, potentially via regulation of protein abundance and localization of other microtubule organizing center components such as AURKA and TPX2 (By similarity).
Cellular Location	Mitochondrion. Nucleus membrane. Endoplasmic reticulum. Cytoplasm, cytoskeleton, spindle {ECO:0000250|UniProtKB:Q9Z0F3}. Note=Localizes to mitochondria-associated endoplasmic reticulum membranes (MAMs) (PubMed:27995898). Localization to MAMs is greatly reduced under apoptotic stress conditions (PubMed:27995898)
Tissue Location	Widely expressed in adult tissues. Preferentially expressed in lung, liver and kidney.

References

1.Hum Reprod. 2013 Mar;28(3):729-39. 2.Oncotarget. 2012 Apr;3(4):490-501.

Images

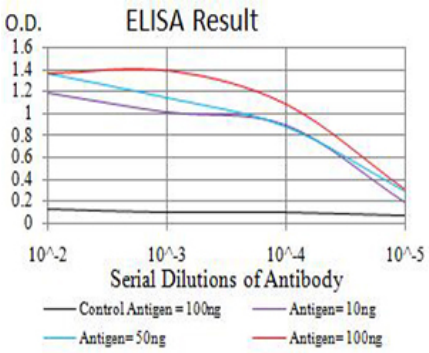

Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

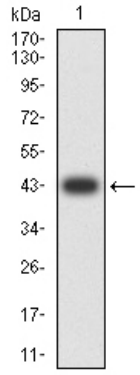

Figure 2:Western blot analysis using BCL2L10 mAb against human BCL2L10 (AA: 31-186) recombinant protein. (Expected MW is 43.1 kDa)

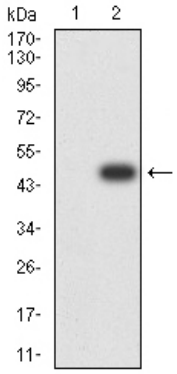

Figure 3:Western blot analysis using BCL2L10 mAb against HEK293 (1) and BCL2L10 (AA: 31-186)-hIgGFc transfected HEK293 (2) cell lysate.

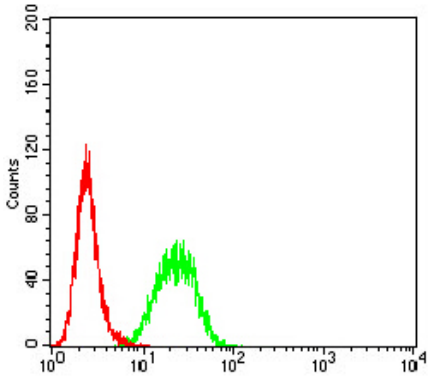

Figure 5:Flow cytometric analysis of Hela cells using BCL2L10 mouse mAb (green) and negative control (red).

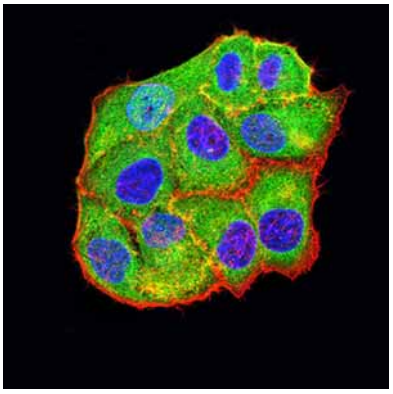

Figure 4:Immunofluorescence analysis of Hela cells using BCL2L10 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

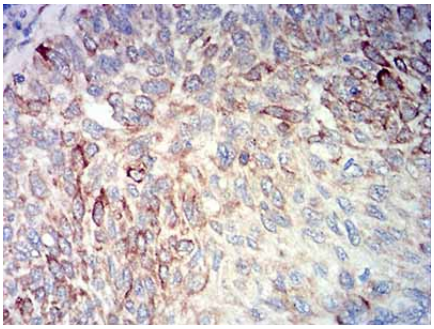

Figure 6:Immunohistochemical analysis of paraffin-embedded lung cancer tissues using BCL2L10 mouse mAb with DAB staining.

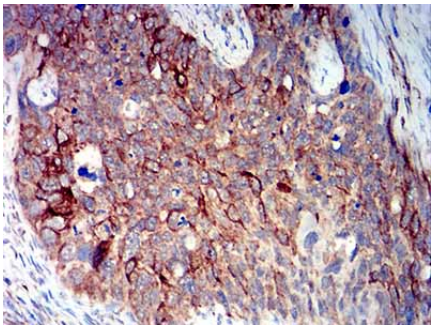

Figure 7:Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using BCL2L10 mouse mAb with DAB staining.