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BCL2L1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant BCL2L1.
Catalog # AT1282a

Product Information

Application	WB, IF, E
Primary Accession	Q07817
Other Accession	BC019307
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3E2-2A5
Calculated MW	26049

Additional Information

Gene ID	598
Other Names	Bcl-2-like protein 1, Bcl2-L-1, Apoptosis regulator Bcl-X, BCL2L1, BCL2L, BCLX
Target/Specificity	BCL2L1 (AAH19307, 1 a.a. ~ 233 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	BCL2L1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

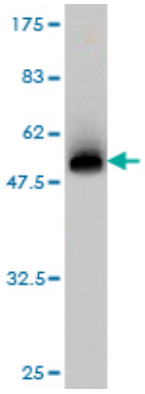
Background

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.

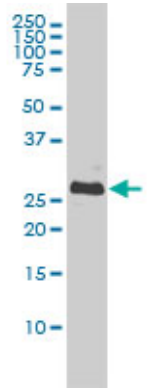
References

1.A BACH2?BCL2L1 fusion gene resulting from at (6; 20)(q15; q11. 2) chromosomal translocation in the lymphoma cell line BLUE?1.Turkmen S, Riehn M, Klopocki E, Molkentin M, Reinhardt R, Burmeister T.Genes Chromosomes Cancer. 2011 Jun;50(6):389-96. doi: 10.1002/gcc.20863. Epub 2011 Mar 15.

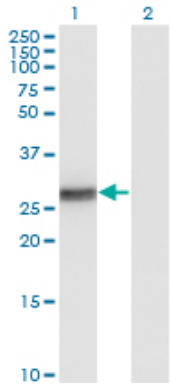
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (51.37 KDa) .

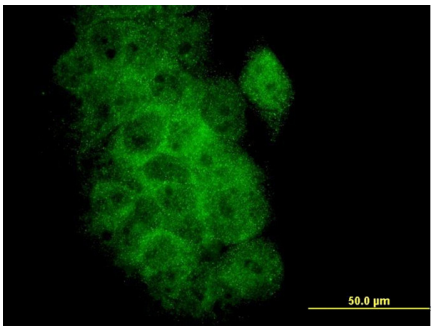


BCL2L1 monoclonal antibody (M01), clone 3E2-2A5 Western Blot analysis of BCL2L1 expression in A-431 ((Cat # AT1282a)



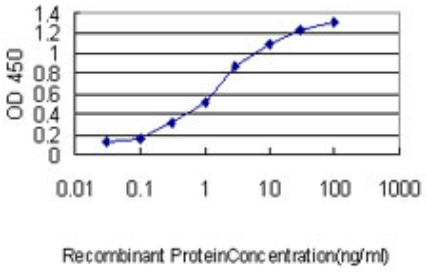
Western Blot analysis of BCL2L1 expression in transfected 293T cell line by BCL2L1 monoclonal antibody (M01), clone 3E2-2A5.

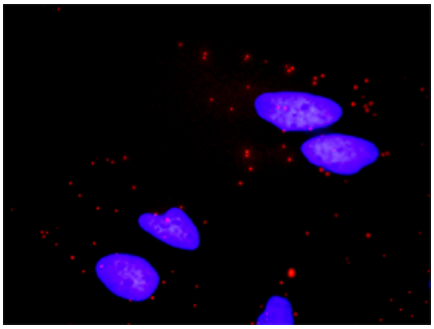
Lane 1: BCL2L1 transfected lysate (Predicted MW: 26 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to BCL2L1 on A-431 cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged BCL2L1 is approximately 0.03ng/ml as a capture antibody.





Proximity Ligation Analysis of protein-protein interactions between BID and BCL2L1. HeLa cells were stained with anti-BID rabbit purified polyclonal 1:1200 and anti-BCL2L1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

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