

### **BCL2L11 Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP8553c

### **Specification**

### **BCL2L11 Antibody (Center) - Product Information**

Application IHC-P, FC, WB,E

Primary Accession <u>043521</u>

Other Accession <u>088498</u>, <u>054918</u>

Reactivity
Predicted
Mouse, Rat
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region
Human
Mouse, Rat
Rabbit
Rabbit
Clonality
Polyclonal
Rabbit IgG
Calculated MW
134-160

# **BCL2L11 Antibody (Center) - Additional Information**

#### **Gene ID 10018**

### **Other Names**

Bcl-2-like protein 11, Bcl2-L-11, Bcl2-interacting mediator of cell death, BCL2L11, BIM

### Target/Specificity

This BCL2L11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 134-160 amino acids from the Central region of human BCL2L11.

### **Dilution**

IHC-P~~1:25 FC~~1:10~50 WB~~1:1000

E~~Use at an assay dependent concentration.

#### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

### **Precautions**

BCL2L11 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

#### **BCL2L11 Antibody (Center) - Protein Information**



#### Name BCL2L11

### Synonyms BIM

**Function** Induces apoptosis and anoikis. Isoform BimL is more potent than isoform BimEL. Isoform Bim-alpha1, isoform Bim-alpha2 and isoform Bim-alpha3 induce apoptosis, although less potent than isoform BimEL, isoform BimL and isoform BimS. Isoform Bim-gamma induces apoptosis. Isoform Bim-alpha3 induces apoptosis possibly through a caspase- mediated pathway. Isoform BimAC and isoform BimABC lack the ability to induce apoptosis.

#### **Cellular Location**

Endomembrane system; Peripheral membrane protein. Note=Associated with intracytoplasmic membranes. [Isoform BimL]: Mitochondrion. [Isoform Bim-alpha1]: Mitochondrion.

#### **Tissue Location**

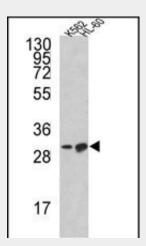
Isoform BimEL, isoform BimL and isoform BimS are the predominant isoforms and are widely expressed with tissue-specific variation. Isoform Bim-gamma is most abundantly expressed in small intestine and colon, and in lower levels in spleen, prostate, testis, heart, liver and kidney.

#### **BCL2L11 Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### **BCL2L11 Antibody (Center) - Images**

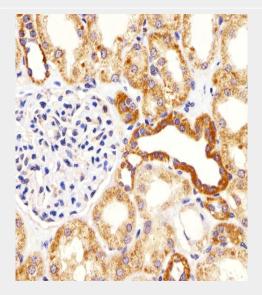


Western blot analysis of BCL2L11 Antibody (Center) (Cat. #AP8553c) in K562, HL-60 cell line lysates (35ug/lane). BCL2L11 (arrow) was detected using the purified Pab.

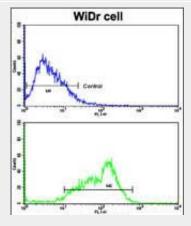




Formalin-fixed and paraffin-embedded human colon carcinoma reacted with BCL2L11 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Immunohistochemical analysis of paraffin-embedded H. kidney section using BCL2L11 Antibody (Center)(Cat#AP8553c). AP8553c was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Flow cytometric analysis of WiDr cells using BCL2L11 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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# **BCL2L11 Antibody (Center) - Background**

BCL2L11 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. This protein contains a Bcl-2 homology domain 3 (BH3). It has been shown to interact with other members of the BCL-2 protein family, including BCL2, BCL2L1/BCL-X(L), and MCL1, and to act as an apoptotic activator.

# **BCL2L11 Antibody (Center) - References**

Hippe, D., et.al., J. Cell. Sci. 122 (PT 19), 3511-3521 (2009) Putcha, G.V., et.al., Neuron 38 (6), 899-914 (2003)