

**Bcl10 Antibody**  
Rabbit mAb  
Catalog # AP90775

## Specification

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### Bcl10 Antibody - Product Information

Application **WB, IHC, ICC, IP**  
Primary Accession **[O95999](#)**  
Clonality **Monoclonal**

#### Other Names

B cell CLL/lymphoma 10; B-cell leukemia/lymphoma 10; Bcl10; CARD containing molecule enhancing NF kappa B; CARD like apoptotic protein; Caspase recruiting domain containing protein; cE10; Cellular E10; CIPER; hCLAP; Mammalian CARD-containing adapter molecule E10; R-RCD1;

Isotype **Rabbit IgG**  
Host **Rabbit**  
Calculated MW **26252 Da**

### Bcl10 Antibody - Additional Information

Purification **Affinity-chromatography**  
Immunogen **A synthesized peptide derived from human Bcl10**  
Description **Promotes apoptosis, pro-caspase-9 maturation and activation of NF-kappa-B via NIK and IKK. May be an adapter protein between upstream TNFR1-TRADD-RIP complex and the downstream NIK-IKK-IKAP complex. Is a substrate for MALT1.**  
Storage Condition and Buffer **Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

### Bcl10 Antibody - Protein Information

**Name** BCL10 {ECO:0000303|PubMed:9989495, ECO:0000312|HGNC:HGNC:989}

#### Function

Plays a key role in both adaptive and innate immune signaling by bridging CARD domain-containing proteins to immune activation (PubMed:<a href="http://www.uniprot.org/citations/10187770" target="\_blank">10187770</a>, PubMed:<a href="http://www.uniprot.org/citations/10364242" target="\_blank">10364242</a>, PubMed:<a href="http://www.uniprot.org/citations/10400625" target="\_blank">10400625</a>, PubMed:<a href="http://www.uniprot.org/citations/24074955" target="\_blank">24074955</a>, PubMed:<a href="http://www.uniprot.org/citations/25365219" target="\_blank">25365219</a>). Acts by channeling adaptive and innate immune signaling downstream of CARD domain-containing proteins CARD9, CARD11 and CARD14 to activate NF-kappa-B and MAP kinase p38 (MAPK11,

MAPK12, MAPK13 and/or MAPK14) pathways which stimulate expression of genes encoding pro-inflammatory cytokines and chemokines (PubMed:<a href="http://www.uniprot.org/citations/24074955" target="\_blank">24074955</a>). Recruited by activated CARD domain-containing proteins: homooligomerized CARD domain-containing proteins form a nucleating helical template that recruits BCL10 via CARD-CARD interaction, thereby promoting polymerization of BCL10, subsequent recruitment of MALT1 and formation of a CBM complex (PubMed:<a href="http://www.uniprot.org/citations/24074955" target="\_blank">24074955</a>). This leads to activation of NF-kappa-B and MAP kinase p38 (MAPK11, MAPK12, MAPK13 and/or MAPK14) pathways which stimulate expression of genes encoding pro-inflammatory cytokines and chemokines (PubMed:<a href="http://www.uniprot.org/citations/18287044" target="\_blank">18287044</a>, PubMed:<a href="http://www.uniprot.org/citations/24074955" target="\_blank">24074955</a>, PubMed:<a href="http://www.uniprot.org/citations/27777308" target="\_blank">27777308</a>). Activated by CARD9 downstream of C-type lectin receptors; CARD9-mediated signals are essential for antifungal immunity (PubMed:<a href="http://www.uniprot.org/citations/26488816" target="\_blank">26488816</a>). Activated by CARD11 downstream of T-cell receptor (TCR) and B-cell receptor (BCR) (PubMed:<a href="http://www.uniprot.org/citations/18264101" target="\_blank">18264101</a>, PubMed:<a href="http://www.uniprot.org/citations/18287044" target="\_blank">18287044</a>, PubMed:<a href="http://www.uniprot.org/citations/24074955" target="\_blank">24074955</a>, PubMed:<a href="http://www.uniprot.org/citations/27777308" target="\_blank">27777308</a>). Promotes apoptosis, pro-caspase-9 maturation and activation of NF-kappa-B via NIK and IKK (PubMed:<a href="http://www.uniprot.org/citations/10187815" target="\_blank">10187815</a>).

#### Cellular Location

Cytoplasm, perinuclear region. Membrane raft. Note=Appears to have a perinuclear, compact and filamentous pattern of expression. Also found in the nucleus of several types of tumor cells. Colocalized with DPP4 in membrane rafts.

#### Tissue Location

Ubiquitous..

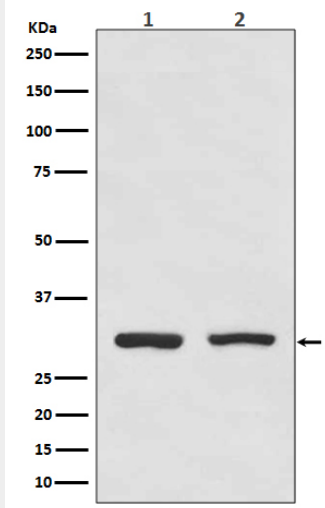
#### Bcl10 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Bcl10 Antibody - Images





Western blot analysis of Bcl10 expression in (1) HeLa cell lysate; (2) Raji cell lysate.