

**Bcl10 Rabbit mAb**  
Catalog # AP77531**Specification****Bcl10 Rabbit mAb - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">O95999</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>26252</b>

**Bcl10 Rabbit mAb - Additional Information****Gene ID** 8915**Other Names**

BCL10

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

**Format**

Liquid

**Bcl10 Rabbit mAb - 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: [18287044](http://www.uniprot.org/citations/18287044), PubMed: [24074955](http://www.uniprot.org/citations/24074955), PubMed: [27777308](http://www.uniprot.org/citations/27777308)). Activated by CARD9 downstream of C-type lectin receptors; CARD9-mediated signals are essential for antifungal immunity (PubMed: [26488816](http://www.uniprot.org/citations/26488816)). Activated by CARD11 downstream of T-cell receptor (TCR) and B-cell receptor (BCR) (PubMed: [18264101](http://www.uniprot.org/citations/18264101), PubMed: [18287044](http://www.uniprot.org/citations/18287044), PubMed: [24074955](http://www.uniprot.org/citations/24074955), PubMed: [27777308](http://www.uniprot.org/citations/27777308)). Promotes apoptosis, pro-caspase-9 maturation and activation of NF-kappa-B via NIK and IKK (PubMed: [10187815](http://www.uniprot.org/citations/10187815)).

#### 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 Rabbit mAb - 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 Rabbit mAb - Images



