

# Bcl10 Rabbit mAb

Catalog # AP75149

## Product Information

---

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

## Additional Information

---

Gene ID	8915
Other Names	BCL10
Dilution	WB~~1/500-1/1000
Format	Liquid

## Protein Information

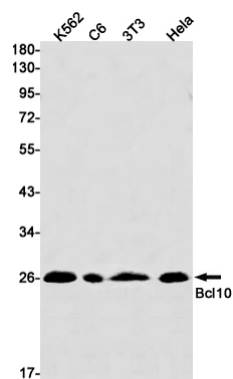
---

Name	BCL10 {ECO:0000303   PubMed:9989495, ECO:0000312   HGNC:HGNC:989}
Function	<p>Plays a key role in both adaptive and innate immune signaling by bridging CARD domain-containing proteins to immune activation (PubMed:<a href="#">10187770</a>, PubMed:<a href="#">10364242</a>, PubMed:<a href="#">10400625</a>, PubMed:<a href="#">24074955</a>, PubMed:<a href="#">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="#">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="#">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="#">18287044</a>, PubMed:<a href="#">24074955</a>, PubMed:<a href="#">27777308</a>). Activated by CARD9 downstream of C-type lectin receptors; CARD9-mediated signals are essential for antifungal immunity (PubMed:<a href="#">26488816</a>). Activated by CARD11 downstream of T-cell receptor (TCR) and B-cell receptor (BCR) (PubMed:<a href="#">18264101</a>, PubMed:<a href="#">18287044</a>, PubMed:<a href="#">24074955</a>, PubMed:<a href="#">27777308</a>). Promotes apoptosis, pro-caspase-9 maturation and activation of NF-kappa-B via NIK and IKK (PubMed:<a href="#">10187815</a>).</p>

<b>Cellular Location</b>	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.
<b>Tissue Location</b>	Ubiquitous..

## Images

---



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