

**Product Name: Bcl10 (4I12) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe07495**

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## Summary

<b>Production Name</b>	Bcl10 (4I12) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	BCL10 {ECO:0000303 PubMed:9989495, ECO:0000312 HGNC:HGNC:989}
<b>Alternative Names</b>	BCL10; CARMEN; CIPER; CLAP; c-E10; mE10;
<b>Gene ID</b>	8915.0
<b>SwissProt ID</b>	O95999.A synthetic peptide of human Bcl10

## Application

<b>Dilution Ratio</b>	WB: 1:1000
<b>Molecular Weight</b>	26kDa

## Background

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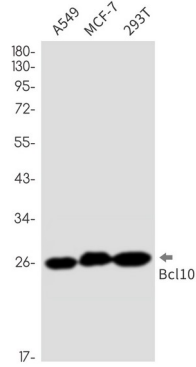
Promotes apoptosis, pro-caspase-9 maturation and activation of NF-kappa-B via NIK and IKK. May be an adapter protein between upstream TNFR1-TRADD-RIP complex and the downstream NIK-IKK-IKAP complex. Is a substrate for MALT1. Plays a key role in both adaptive and innate immune signaling by bridging CARD domain-containing proteins to immune activation (PubMed: [10187770](http://www.uniprot.org/citations/10187770), PubMed: [10364242](http://www.uniprot.org/citations/10364242), PubMed: [10400625](http://www.uniprot.org/citations/10400625), PubMed: [25365219](http://www.uniprot.org/citations/25365219), PubMed: [24074955](http://www.uniprot.org/citations/24074955)). 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: [24074955](http://www.uniprot.org/citations/24074955)). 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: [24074955](http://www.uniprot.org/citations/24074955)). 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: [27777308](http://www.uniprot.org/citations/27777308), PubMed: [24074955](http://www.uniprot.org/citations/24074955), PubMed: [24074955](http://www.uniprot.org/citations/24074955)). 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: [27777308](http://www.uniprot.org/citations/27777308), PubMed: [24074955](http://www.uniprot.org/citations/24074955)). Promotes apoptosis, pro-caspase-9 maturation and activation of NF-kappa-B via NIK and IKK (PubMed: [10187815](http://www.uniprot.org/citations/10187815)).

## Research Area

## Image Data

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Western blot detection of Bcl10 in A549, MCF-7, 293T cell lysates using Bcl10 antibody (1:1000 diluted).

### **Note**

For research use only.