

# Bcl-10 Polyclonal Antibody

Catalog # AP68651

## Product Information

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<b>Application</b>	WB, IHC-P, IF, ICC, E
<b>Primary Accession</b>	<a href="#">O95999</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	26252

## Additional Information

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<b>Gene ID</b>	8915
<b>Other Names</b>	BCL10; CIPER; CLAP; B-cell lymphoma/leukemia 10; B-cell CLL/lymphoma 10; Bcl-10; CARD-containing molecule enhancing NF-kappa-B; CARD-like apoptotic protein; hCLAP; CED-3/ICH-1 prodomain homologous E10-like regulator; CIPER; Cellular homolog
<b>Dilution</b>	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	BCL10 {ECO:0000303   PubMed:9989495, ECO:0000312   HGNC:HGNC:989}
<b>Function</b>	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:[18287044](#), PubMed:[24074955](#), PubMed:[27777308](#)). Activated by CARD9 downstream of C-type lectin receptors; CARD9-mediated signals are essential for antifungal immunity (PubMed:[26488816](#)). Activated by CARD11 downstream of T-cell receptor (TCR) and B-cell receptor (BCR) (PubMed:[18264101](#), PubMed:[18287044](#), PubMed:[24074955](#), PubMed:[27777308](#)). Promotes apoptosis, pro-caspase-9 maturation and activation of NF- $\kappa$ B via NIK and IKK (PubMed:[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.

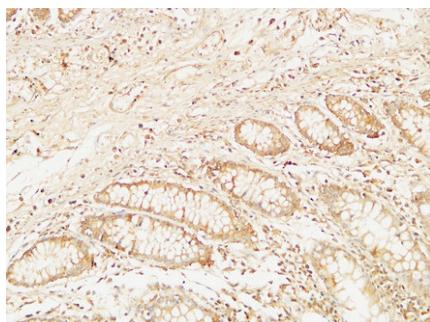
#### Tissue Location

Ubiquitous..

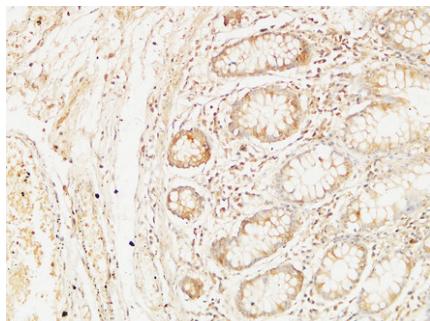
## Background

Involved in adaptive immune response (PubMed: [25365219](#)). 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 (PubMed:[18264101](#)).

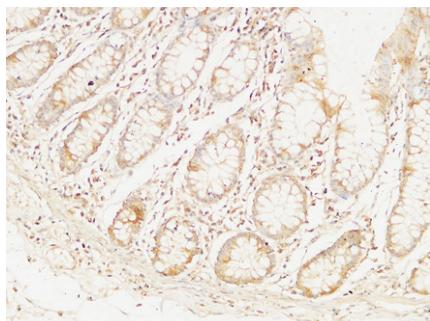
## Images



Immunohistochemical analysis of paraffin-embedded Human colon. 1, Antibody was diluted at 1:100(4°,overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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