

Bcl-10 Polyclonal Antibody
Catalog # AP68651**Specification****Bcl-10 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	O95999
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

Bcl-10 Polyclonal Antibody - Additional Information

Gene ID 8915

Other Names

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Bcl-10 Polyclonal 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: 10187770, PubMed: 10364242, PubMed: 10400625, PubMed: 24074955, PubMed: 25365219). 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). 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: [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..

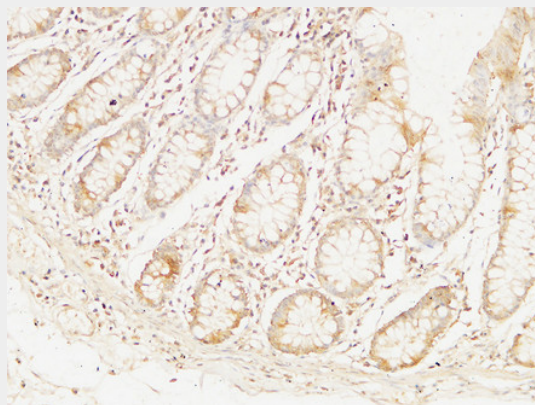
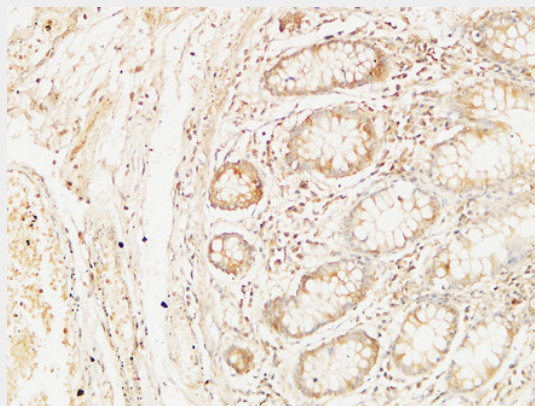
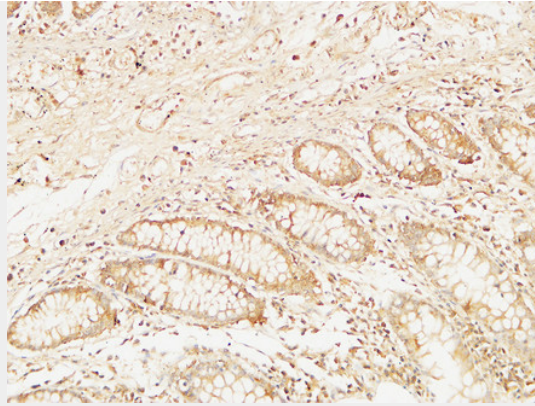
Bcl-10 Polyclonal Antibody - Protocols

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](#)

Bcl-10 Polyclonal Antibody - Images





Bcl-10 Polyclonal Antibody - 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).