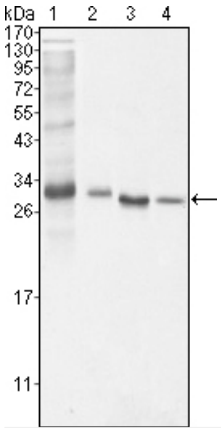
Bcl-10 Monoclonal Antibody

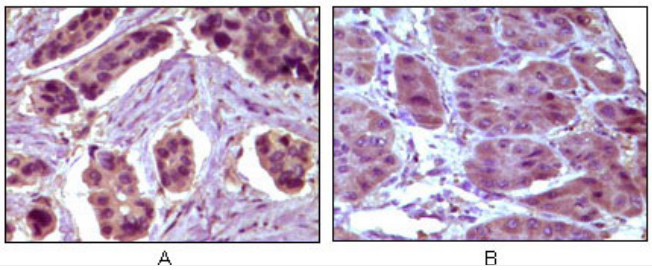
Catalog No	BYab-00060
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;FCM;ELISA
Gene Name	BCL10
Protein Name	B-cell lymphoma/leukemia 10
Immunogen	Purified recombinant fragment of human Bcl-10 expressed in E. Coli.
Specificity	Bcl-10 Monoclonal Antibody detects endogenous levels of Bcl-10 protein.
Formulation	Purified antibody in PBS containing 0.03% sodium azide.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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
Observed Band	
Cell Pathway	Cytoplasm, perinuclear region . Membrane raft . 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 Specificity	Ubiquitous.
Function	disease:A chromosomal aberration involving BCL10 is recurrent in low-grade mucosa-associated lymphoid tissue (MALT lymphoma). Translocation t(1;14)(p22;q32). Although the BCL10/IgH translocation leaves the coding region of BCL10 intact, frequent BCL10 mutations could be attributed to the Ig somatic hypermutation mechanism resulting in nucleotide transitions.,disease:Defects in BCL10 are involved in various types of cancer.,function: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.,PTM:Phosphorylated. Phosphorylation results in dissociation from TRAF2 and binding to BIRC2/c-IAP2.,similarity:Contains 1 CARD domain.,subcellular location:Appears to have a perinuclear, compact and filamentous pattern of expression. Also
Background	This gene was identified by its translocation in a case of mucosa-associated lymphoid tissue (MALT) lymphoma. The protein encoded by this gene contains a caspase recruitment domain (CARD), and has been shown to induce apoptosis and to activate NF-kappaB. This protein is reported to interact with other CARD domain containing proteins including CARD9, 10, 11 and 14, which are thought to function as upstream regulators in NF-kappaB signaling. This protein is found to form a complex with MALT1, a protein encoded by another gene known to be translocated in MALT lymphoma. MALT1 and this protein are thought to synergize in the activation of NF-kappaB, and the deregulation of either of them may contribute to the same pathogenetic process that leads to the malignancy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

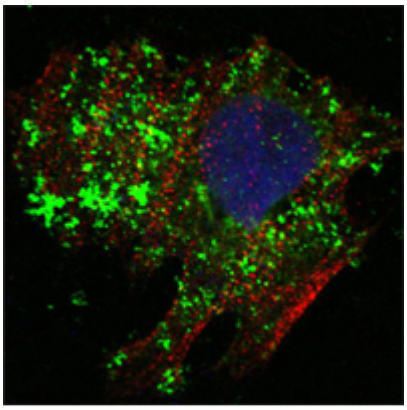
Products Images



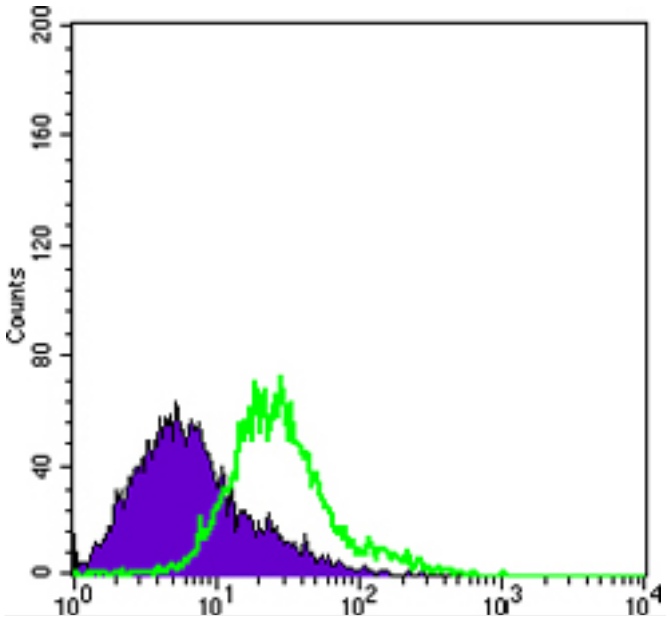
Western Blot analysis using Bcl-10 Monoclonal Antibody against NIH/3T3 (1), HeLa (2), MCF-7 (3) and Jurkat (4) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma (A) and liver carcinoma (B), showing cytoplasmic localization with DAB staining using Bcl-10 Monoclonal Antibody.



Confocal immunofluorescence analysis of Hela cells using Bcl-10 Monoclonal Antibody (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of Hela cells using Bcl-10 Monoclonal Antibody (green) and negative control (purple).