Bcl-10 Mouse mAb

CatalogNo: YM0057

Key Features

Host Species
- Mouse

Reactivity
- Human,Mouse

Applications
- WB,IHC,IF,FC,ELISA

MW
- 26kD (Calculated)

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:200-1:1000
IF 1:200-1:1000
Flow Cyt 1:200-1:400
ELISA 1:10000
Not yet tested in other applications.

Basic Information

Clonality	Monoclonal
Clone Number	6G1

Immunogen Information

Immunogen	Purified recombinant fragment of human Bcl-10 expressed in E. Coli.
Specificity	Bcl-10 Monoclonal Antibody detects endogenous levels of Bcl-10 protein.

Target Information

Gene name BCL10

Protein Name B-cell lymphoma/leukemia 10

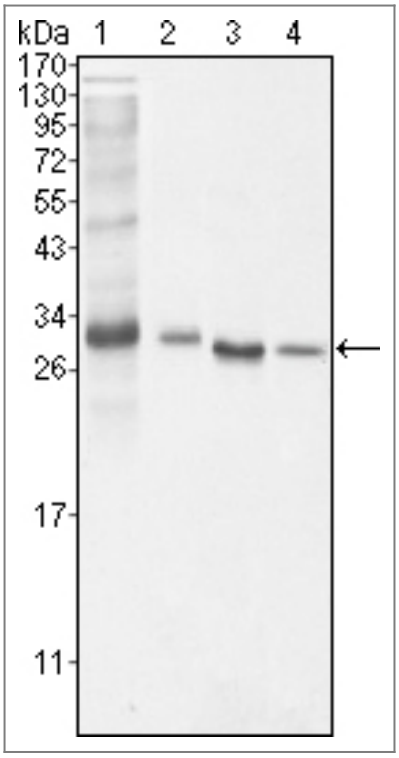
Organism	Gene ID	UniProt ID
Human	8915;	O95999;
Mouse	12042;	Q9Z0H7;

Cellular Localization 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. .

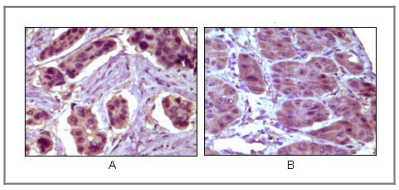
Tissue specificity Ubiquitous.

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 found in the nucleus of several types of tumor cells.,subunit:Self-associates by CARD-CARD interaction and forms a tight complex with MALT1. Interacts with other CARD-proteins such as CARD9, CARD10, CARD11 and CARD14. Binds caspase-9 with its C-terminal domain. Interacts with TRAF2 and BIRC2/c-IAP2.,tissue specificity:Ubiquitous.,

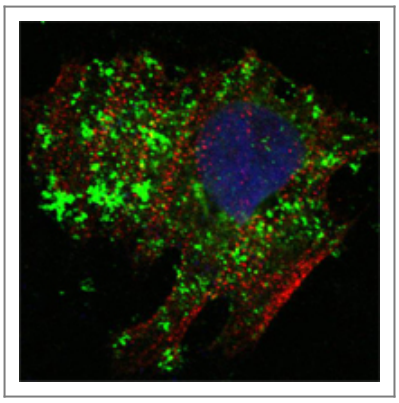
Validation Data



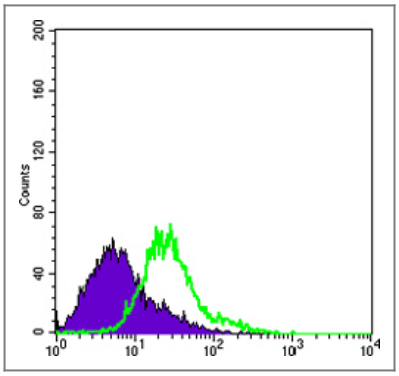
Western Blot analysis using Bcl-10 Monoclonal Antibody against NIH/3T3 (1), HeLa (2), MCF-7 (3) and Jurkat (4) cell lysate.



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).

Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: http://www.immunoway.com.cn
Address: 2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
Bcl-10 Mouse mAb