Monoclonal antibody to BCL-10

Cat. #: Mab-604004

Description:
Bcl-10 is a 31kDa protein containing a caspase recruitment domain (CARD). It plays an important role in apoptosis and activating NF-kappaB. The research suggested that it interacted with other CARD domain containing proteins including CARD9, 10, 11 and 14, which were thought to function as upstream regulators in NF-kappaB signaling. Bcl-10 is found to form a complex with MALT1 which encoded by another gene known to be translocated in MALT lymphoma. MALT1 and Bcl-10 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.

Immunogen/Specificity:
Ni-NTA purified recombinant human BCL-10 expressed in E. Coli strain BL21 (DE3).

Applications :
IHC(P): Dilution 1: 100- 1: 500
IHC(F): Dilution 1: 200- 1: 1000
Western blot: Dilution 1: 2000- 1: 5000
ELISA: Propose dilution 1: 10000.
Determining optimal working dilutions by titratio
test.

Formulation:
Antibodies are purified by protein A affinity chro
tography.

References:

1.Willis, T.G., et al. (1999) Cell. 96, 35-45.
2.Lucas, P.C., et al. (2001) J. Biol.Chem. 276, 19012-19019.
3.Wang, L., et al. (2001) J. Biol.Chem. 276, 21405-21409

Clone Number: 4F8E8H8
Isotype: IgG1
Species: Human
Storage and Stability: at -20oC

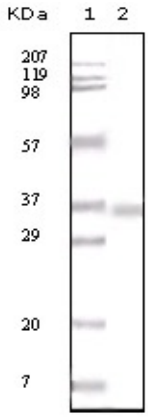
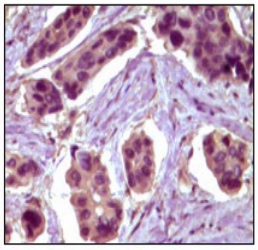
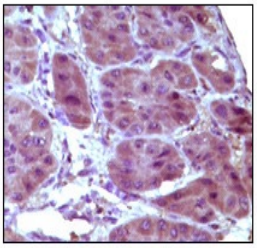


Figure 1: Western blot analysis of MCF-7 cell extracts with human Bcl-10 antibody



Human breast carcinoma



Human liver carcinoma

Figure 2: Immunohistochemical analysis of paraffin-embedded Human breast carcinoma and liver carcinoma tissue, showing cytoplasmic localization using human Bcl-10 antibody with DAB staining.

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