BCL10 Polyclonal Antibody

E91106

Catalog Number: E91106
Amount: 100ul
Background: Bcl10/CIPER/CLAP/mE10 is a widely expressed CARD (caspase recruitment domain) containing protein shown to induce apoptosis and activate NF-κB (1-5). The CARD domain mediates self-oligomerization, interactions with other CARD proteins and is necessary for NF-κB activation, although the precise mechanism which Bcl10 regulates these processes is not fully understood. The discovery of Bcl10 came from observations of the chromosomal translocation t(1;14)(p22;q32) from B cell lymphomas of the mucosa-associated lymphoid tissue (MALT) (1,5). This translocation results in deregulated expression of a truncated form of Bcl10 which lacks apoptotic activity and enhances transformation. Studies from Bcl10 deficient mice demonstrate that Bcl10 is essential for the activation of NF-κB by T- and B-cell receptors (6). One third of Bcl10 deficient mice developed lethal exencephaly. Surviving mice were unaffected by various apoptotic stimuli, but were severely immunodeficient and defective in antigen receptor-induced NF-κBactiviation. PKC or T-cell receptor signaling results in a downregulation of Bcl10 protein levels, attenuating both NF-κB activation and cellular proliferation and also provides a negative feedback regulation of the NF-κB signaling to T cell signaling (7).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: BCL10;CARMEN;CIPER;CLAP;c-E10;mE10 ;
Immunogen: Recombinant proteinof human BCL10
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 26kDa
Swiss-Prot No. : O95999
Gene ID: 8915
References: 1. Willis, T. G. et al. (1999) Cell 96, 35-45. 2. Koseki, T. et al. (1999) J. Biol. Chem. 274, 9955-9961. 3. Srinivasula, S. M. et al. (1999) J. Biol. Chem. 274, 17946-17954. 4. Yan, M. et al. (1999) J. Biol. Chem. 274, 10287-10292. 5. Zhang, Q. et al. (1999) Nature Genetics 22, 63-68. 6. Ruland, J. et al. (2001) Cell 104, 33-42. 7. Scharschmidt, E. et al. (2004) Mol. Cell. Biol. 24, 3860-3873.

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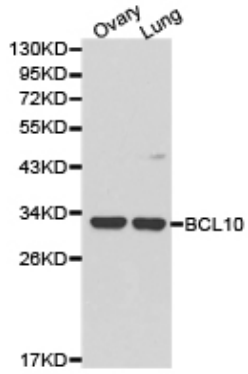
WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of ovary cell and lung cell lysate using BCL10 antibody.

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