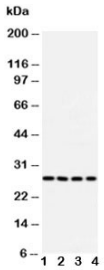
Bcl10 Antibody (R30577)

Catalog No.	Formulation	Size
R30577	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O95999
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Bcl10 antibody is available for research use only.



Western blot testing of Bcl10 antibody and Lane 1: U87; 2: MCF-7; 3: HeLa; 4: COLO320 cell lysate. Observed molecular weight: 26~33 kDa.

Description

BCL10, B-cell CLL/lymphoma 10, gene was identified by its translocation in a case of mucosa-associated lymphoid tissue(MALT) lymphoma. The BCL10 gene is mapped to chromosome 1p22. 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 though 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 though 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Bcl10 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human Bcl10 (ERHFDHLRAKKILSRED) was used as the immunogen for this Bcl10 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the Bcl10 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.