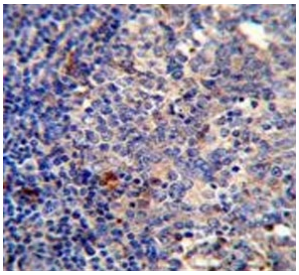
BCL10 Antibody (F54557)

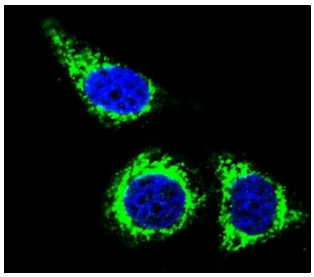
Catalog No.	Formulation	Size
F54557-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54557-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

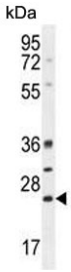
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	O95999
Localization	Cytoplasmic, perinuclear
Applications	Flow Cytometry : 1:25 (1x10e6 cells) Immunofluorescence : 1:25 Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000
Limitations	This BCL10 antibody is available for research use only.



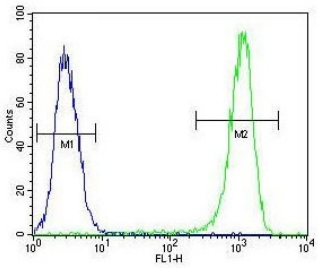
IHC testing of FFPE human tonsil tissue with BCL10 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HeLa cells with BCL10 antibody (green) and DAPI nuclear stain (blue).



Western blot testing of mouse spleen lysate with BCL10 antibody. Observed molecular weight: 26~33 kDa.



Flow cytometry testing of human MCF7 cells with BCL10 antibody; Blue=isotype control, Green= BCL10 antibody.

Description

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.

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

A portion of amino acids 24-51 from the human protein was used as the immunogen for the BCL10 antibody.

Storage

Aliquot the BCL10 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.