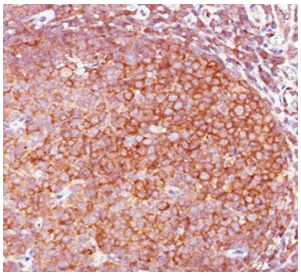
Bcl10 Antibody [clone BL10/411] (V2305)

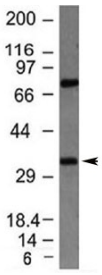
Catalog No.	Formulation	Size
V2305-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2305-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2305SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2305IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

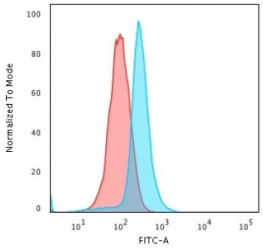
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	BL10/411
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	8915
Localization	Nuclear and cytoplasmic
Applications	Flow Cytometry : 1-2ug/10^6 cells Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT (1) (2)
Limitations	This **Bcl10 antibody** is available for research use only.



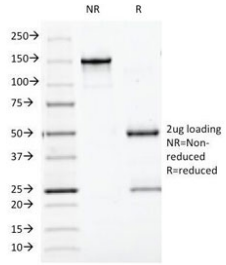
IHC staining of FFPE human tonsil with Bcl10 antibody (clone BL10/411).



Western blot testing of HepG2 lysate with Bcl10 antibody (clone BL10/411). Expected molecular weight: 26~33 kDa.



Flow cytometry testing of PFA-fixed human K562 cells with Bcl10 antibody (clone BL10/411); Red=isotype control, Blue= Bcl10 antibody.



SDS-PAGE analysis of purified, BSA-free Bcl10 antibody (clone BL10/411) as confirmation of integrity and purity.

Description

Bcl10, with an N-terminal caspase recruitment domain (CARD), is found in a number of apoptotic regulatory molecules. It was identified through its direct involvement in t(1;14) of mucosa-associated lymphoid tissue (MALT) lymphoma. Expression of Bcl10 was shown to induce NFkB activation in a NIK-dependent pathway. This antibody labels subpopulations of normal B and T cells and is a useful tool for the sub-classification of lymphomas. In MALT lymphomas with the t(1;14) translocation, while 55% of MALT lymphomas lacking this translocation exhibited the same labeling pattern, although at a much lower level.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Bcl10 antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Human Bcl10 recombinant protein (epitope localized to amino acids 122-168) was used as the immunogen for this antibody.

Storage

Store the Bcl10 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (1)