

DESCRIPTION

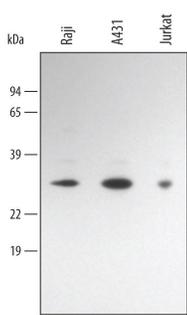
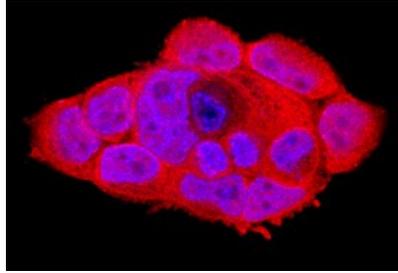
Species Reactivity	Human
Specificity	Detects human Bcl-10 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Bcl-10 Met1-Leu192 Accession # O95999
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.5 µg/mL	See Below
Immunocytochemistry	5-15 µg/mL	See Below

DATA

<p>Western Blot</p>  <p>Detection of Human Bcl-10 by Western Blot. Western blot shows lysates of Raji human Burkitt's lymphoma cell line, A431 human epithelial carcinoma cell line, and Jurkat human acute T cell leukemia cell line. PVDF membrane was probed with 0.5 µg/mL of Goat Anti-Human Bcl-10 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2889) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for Bcl-10 at approximately 28 kDa (as indicated). This experiment was conducted using Immunoblot Buffer Group 4.</p>	<p>Immunocytochemistry</p>  <p>Bcl-10 in A431 Human Cell Line. Bcl-10 was detected in immersion fixed A431 human epithelial carcinoma cell line using Goat Anti-Human Bcl-10 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2889) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.</p>
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PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

B cell CLL/leukemia 10 (Bcl-10), a 233 amino acid, 26.2 kDa protein, is the cellular homolog of the equine herpesvirus-2 gene (E10). Bcl-10 is also known as CARD like apoptotic protein (CLAP), CED-3/ICH-1 prodomain homologous E10-like regulator (CIPER), cellular-E10 (c-E10), and CARD-containing molecule enhancing NFκB (CARMEN). Bcl-10 contains a caspase recruitment domain (CARD) and has been shown to induce apoptosis and to activate NFκB. Bcl-10 can interact with other CARD domain containing proteins including CARD9, 10, 11, and 14, which function as upstream regulators of NFκB signaling. Defects in Bcl-10 may be involved in the pathogenesis of human malignancy.