

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Bcl-6 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse Bcl-6 Glu522-Thr696 Accession # Q8CB25
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 either lyophilized or as a 0.2 µm filtered solution in PBS.

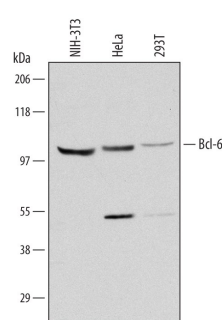
APPLICATIONS

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	0.1 µg/mL	See Below
Simple Western	10 µg/mL	Ramos human Burkitt's lymphoma cell line and Raji human Burkitt's lymphoma cell line

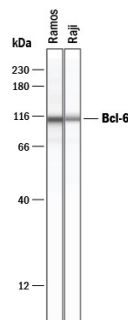
DATA

Western Blot



Detection of Mouse and Human Bcl-6 by Western Blot. Western blot shows lysates of NIH-3T3 mouse embryonic fibroblast cell line, HeLa human cervical epithelial carcinoma cell line, and 293T human embryonic kidney cell line. PVDF membrane was probed with 0.1 µg/mL of Mouse Bcl-6 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5046) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # Catalog # HAF109). A specific band was detected for Bcl-6 at approximately 100 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Simple Western



Detection of Human Bcl-6 by Simple Western™. Simple Western lane view shows lysates of Ramos human Burkitt's lymphoma cell line and Raji human Burkitt's lymphoma cell line, loaded at 0.2 mg/mL. A specific band was detected for Bcl-6 at approximately 111 kDa (as indicated) using 10 µg/mL of Goat Anti-Human/Mouse Bcl-6 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5046). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



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

Bcl-6 (B-cell lymphoma protein 6; also ZFP51, LAZ-3 and Bcl-5) is an 80 kDa member of the Kruppel-like family of zinc finger proteins. It is expressed in germinal center B cells, neutrophils, monocytes, and immature dendritic cells, and serves as a potent transcriptional repressor of genes such as p53. Human Bcl-6 is 706 amino acids (aa) in length and contains an N-terminal BTB/POZ protein interaction domain (aa 32-99) and a series of six C2H2-type C-terminal zinc finger domains that bind DNA (aa 518-681). Centrally located are three PEST sequences (aa 336-430) that undergo phosphorylation by MAPK. This increases the molecular weight of Bcl-6 to 97 kDa and induces its degradation. Human Bcl-6 is about 99% aa identical to mouse and canine Bcl-6.