abcam

Product datasheet

Anti-Bcl6 antibody ab86861

2 References 3 Images

Overview

Product name	Anti-Bcl6 antibody
Description	Rabbit polyclonal to Bcl6
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 650 to the C-terminus of Human Bcl6.Read Abcam's proprietary immunogen policy(Peptide available as **ab97495**.)
Positive control	This antibody gave a positive signal in Mouse and Rat Brain tissue lysate as well as the following whole cell lysates: Jurkat; Ramos; K562.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab86861 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

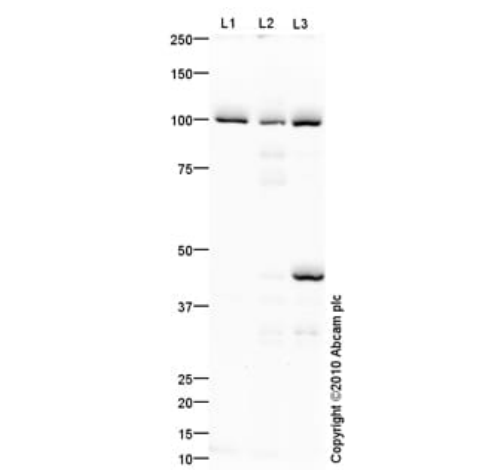
Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 100 kDa (predicted molecular weight: 78 kDa).

Application	Abreviews	Notes
IP		Use a concentration of 5 µg/ml.

Target

Function	Transcriptional repressor which is required for germinal center formation and antibody affinity maturation. Probably plays an important role in lymphomagenesis.
Tissue specificity	Expressed in germinal center T and B cells and in primary immature dendritic cells.
Involvement in disease	Note=Chromosomal aberrations involving BCL6 may be a cause of B-cell non-Hodgkin lymphoma. Translocation t(3;14)(q27;q32); translocation t(3;22)(q27;q11) with immunoglobulin gene regions. Note=A chromosomal aberration involving BCL6 may be a cause of a form of B-cell leukemia. Translocation t(3;11)(q27;q23) with POU2AF1/OBF1. Note=A chromosomal aberration involving BCL6 may be a cause of lymphoma. Translocation t(3;4)(q27;p11) with ARHH/TTF.
Sequence similarities	Contains 1 BTB (POZ) domain. Contains 6 C2H2-type zinc fingers.
Domain	The BTB domain mediates homodimerization. Its dimer interface mediates peptide binding such as to corepressors BCOR and NCOR2.
Post-translational modifications	Phosphorylated by MAPK1 in response to antigen receptor activation. Phosphorylation induces its degradation by ubiquitin/proteasome pathway.
Cellular localization	Nucleus.

Images



Western blot - Anti-Bcl6 antibody (ab86861)

All lanes : Anti-Bcl6 antibody (ab86861) at 1 µg/ml

Lane 1 : Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate
Lane 2 : Ramos (Human Burkitt's lymphoma cell line) Whole Cell Lysate
Lane 3 : K562 (Human erythromyeloblastoid leukemia cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

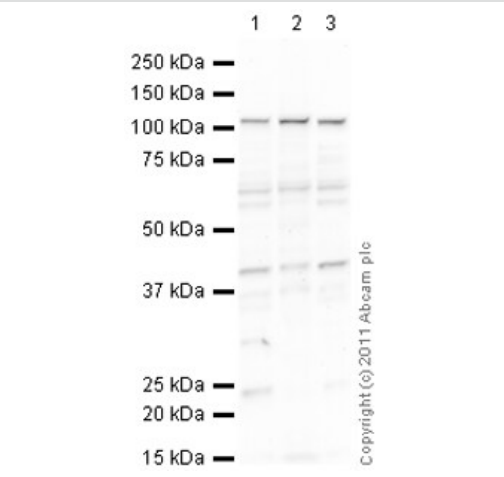
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 78 kDa
Observed band size: 100 kDa
Additional bands at: 45 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 10 minutes

The 100 kDa band observed is comparable to the molecular weight seen with other commercially available antibodies to Bcl6.



Western blot - Anti-Bcl6 antibody (ab86861)

All lanes : Anti-Bcl6 antibody (ab86861) at 1 µg/ml

Lane 1 : Brain (Mouse) Tissue Lysate (**ab27253**)
Lane 2 : MEF1 (Mouse embryonic fibroblast cell line) Whole Cell Lysate (**ab46770**)
Lane 3 : Brain (Rat) Tissue Lysate (**ab7942**)
Lane 4 : PC-12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate (**ab50957**)

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

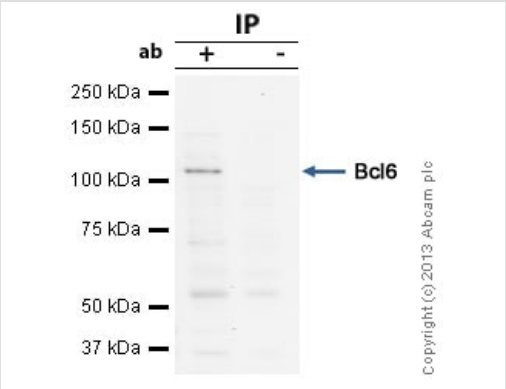
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 78 kDa
Observed band size: 105 kDa
Additional bands at: 42 kDa, 65 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 8 minutes

The 105 kDa band observed is comparable to the molecular weight seen with other commercially available antibodies to Bcl6.



Immunoprecipitation - Anti-Bcl6 antibody (ab86861)

Bcl6 was immunoprecipitated using 0.5mg Jurkat whole cell extract, 5µg of Rabbit polyclonal to Bcl6 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).
The antibody was incubated under agitation with Protein G beads for 10min, Jurkat whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.
Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab86861.
Secondary: Mouse monoclonal [SB62a] Secondary Antibody to **anti-rabbit HRP** (**ab99697**).
Band: 105kDa; Bcl6

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