

## Product datasheet

### Anti-Bcl6 antibody [EP529Y] ab33901

KO VALIDATED Recombinant RabMAb

★★★★☆ 2 Abreviews 8 References 6 Images

#### Overview

Product name	Anti-Bcl6 antibody [EP529Y]
Description	Rabbit monoclonal [EP529Y] to Bcl6
Host species	Rabbit
Tested applications	<b>Suitable for:</b> IP, WB
Species reactivity	<b>Reacts with:</b> Human
Immunogen	Synthetic peptide within Human Bcl6 aa 650-750 (C terminal). The exact sequence is proprietary.
Positive control	WB: Daudi and Ramos, HeLa and SH-SY5Y cell lysates. IP: Ramos cell lysate.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

#### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP529Y
Isotype	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab33901 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
IP		Use at an assay dependent concentration.
WB		1/500 - 1/2000. Detects a band of approximately 85-90 kDa (predicted molecular weight: 78 kDa).

## 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.

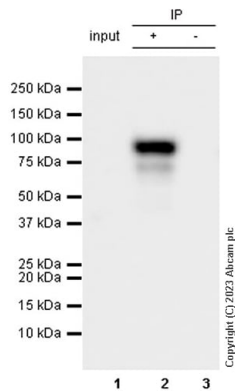
### Post-translational modifications

Phosphorylated by MAPK1 in response to antigen receptor activation. Phosphorylation induces its degradation by ubiquitin/proteasome pathway.

### Cellular localization

Nucleus.

## Images



Immunoprecipitation - Anti-Bcl6 antibody [EP529Y]  
(ab33901)

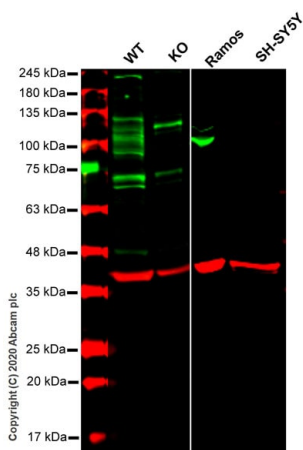
Bcl6 was immunoprecipitated from Ramos (human Burkitt's lymphoma B lymphocyte), whole cell lysate with ab33901 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab33901 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)([ab131366](#)) was used at 1/5000 dilution.

**Lane 1 (Input):** Ramos (human Burkitt's lymphoma B lymphocyte), whole cell lysate, 10 µg

**Lane 2 (+):** Ramos whole cell lysate

**Lane 3 (-):** Rabbit monoclonal IgG ([ab172730](#)) instead of ab33901 in Ramos whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.



Western blot - Anti-Bcl6 antibody [EP529Y]  
(ab33901)

**All lanes :** Anti-Bcl6 antibody [EP529Y] (ab33901) at 1/1000 dilution

**Lane 1 :** Wild-type HeLa cell lysate

**Lane 2 :** BCL6 knockout HeLa cell lysate

**Lane 3 :** Ramos cell lysate

**Lane 4 :** SH-SY5Y cell lysate

Lysates/proteins at 20 µg per lane.

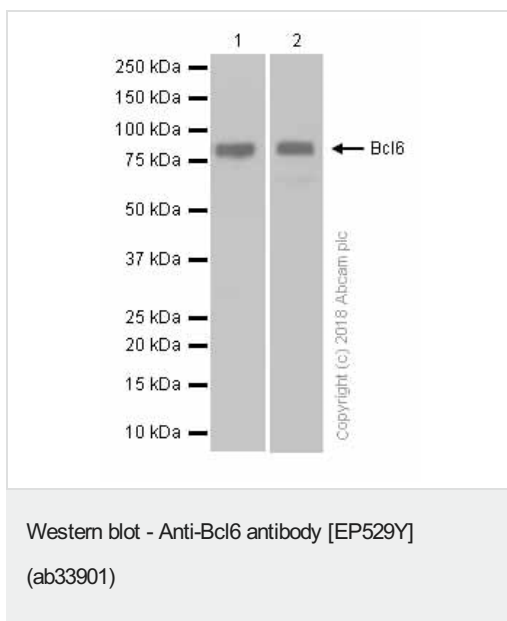
Performed under reducing conditions.

**Predicted band size:** 78 kDa

**Observed band size:** 78 kDa

**Lanes 1-4:** Merged signal (red and green). Green ab33901 observed at 78 kDa. Red - loading control, [ab8245](#) observed at 37 kDa.

ab33901 Anti-Bcl6 antibody [EP529Y] was shown to react with BCL6 in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265410](#) (knockout cell lysate [ab257178](#)) was used. Wild-type and Bcl6 knockout samples were subjected to SDS-PAGE. ab33901 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 10000 dilution for 1 hour at room temperature before imaging.



**All lanes :** Anti-Bcl6 antibody [EP529Y] (ab33901) at 1/1000 dilution (Purified)

**Lane 1 :** Daudi (Human Burkitt's lymphoma lymphoblast) whole cell lysates prepared in 1%SDS Hot lysis method

**Lane 2 :** Ramos (Human Burkitt's lymphoma lymphoblast) whole cell lysates prepared in 1%SDS Hot lysis method

Lysates/proteins at 15 µg per lane.

#### Secondary

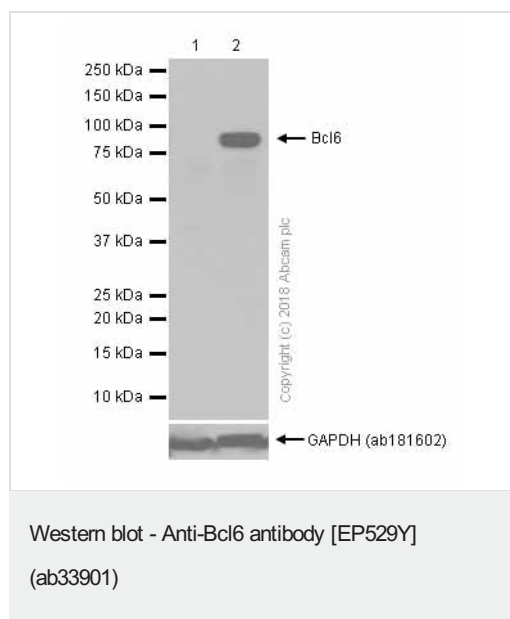
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 78 kDa

**Exposure time:** 10 seconds

Blocking and diluting buffer: 5% NFDM/TBST.

This antibody works better in 1%SDS Hot Lysates in WB. For Lysate preparation protocol, please refer to the protocol book in the protocol section and/or [here \(downloadable copy\)](#).



**All lanes :** Anti-Bcl6 antibody [EP529Y] (ab33901) at 1/1000 dilution (Purified)

**Lane 1 :** Daudi (Human Burkitt's lymphoma lymphoblast) whole cell lysates prepared in RIPA lysis method

**Lane 2 :** Daudi (Human Burkitt's lymphoma lymphoblast) whole cell lysates prepared in 1%SDS Hot lysis method

Lysates/proteins at 15 µg per lane.

### Secondary

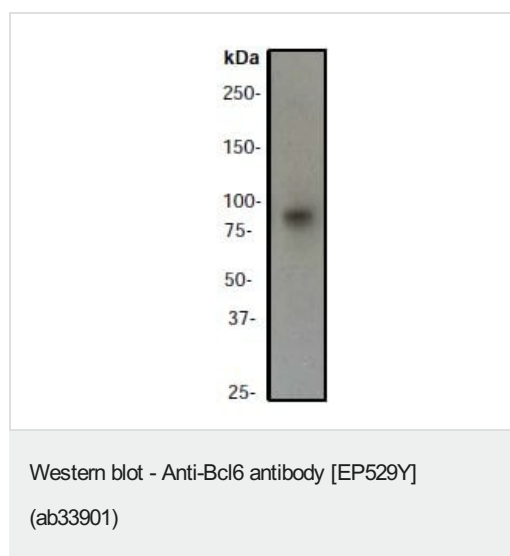
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 78 kDa

**Exposure time:** 3 minutes

Blocking and diluting buffer: 5% NFDM/TBST.

This antibody works better in 1%SDS Hot Lysates in WB. For Lysate preparation protocol, please refer to the protocol [here](#) ([downloadable copy](#)).







Anti-Bcl6 antibody [EP529Y] (ab33901) at 1/2000 dilution (Unpurified) + Daudi cell lysate

**Predicted band size:** 78 kDa

**Observed band size:** 85-90 kDa

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Bcl6 antibody [EP529Y] (ab33901)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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