Product datasheet

Anti-Bcl6 antibody [EP529Y] ab33901

Overview

Product name: Anti-Bcl6 antibody [EP529Y]
Description: Rabbit monoclonal [EP529Y] to Bcl6
Host species: Rabbit
Tested applications: Suitable for: WB
Species reactivity: Reacts with: Human
Immunogen: Synthetic peptide within Human Bcl6 aa 650-750 (C terminal). The exact sequence is proprietary.
Positive control: WB: Daudi and Ramos cell lysates.
General notes: Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Our RabMab® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents.

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

This product is a recombinant rabbit monoclonal antibody.

Properties

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

IgG

Applications

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.

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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 [EP529Y] (ab33901)**

**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).

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

**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 is the actual band size different from the predicted?

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

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