# abcam

# Product datasheet

# PE Anti-Bcl10 antibody [EP606Y] ab305689

Recombinant RabMAb

1 References 1 Image

Overview

**Product name** PE Anti-Bcl10 antibody [EP606Y]

**Description** PE Rabbit monoclonal [EP606Y] to Bcl10

**Host species** Rabbit

PE. Ex: 488nm, Em: 575nm Conjugation

**Tested applications** Suitable for: Target binding affinity, Antibody labelling

**Immunogen** Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

**General notes** 

This **conjugated primary antibody** is released using a quantitative quality control method that

evaluates binding affinity post-conjugation and efficiency of antibody labeling.

For suitable applications and species reactivity, please refer to the unconjugated version of this

clone. This conjugated antibody is eligible for Abtrial: learn more here.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information see here.

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

# **Properties**

**Form** Liquid

Storage instructions Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at +4°C. Store

In the Dark.

Storage buffer pH: 7.40

> Preservative: 0.02% Sodium azide Constituents: 98% PBS, 1% BSA

**Purity** Protein A purified

Clonality Monoclonal

Clone number EP606Y

**Isotype** IgG

#### **Applications**

The Abpromise guarantee Our Abpromise guarantee covers the use of ab305689 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	
Target binding affinity		Use at an assay dependent concentration.	
Antibody labelling		Use at an assay dependent concentration.	

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**Function** Promotes apoptosis, pro-caspase-9 maturation and activation of NF-kappa-B via NIK and IKK.

May be an adapter protein between upstream TNFR1-TRADD-RIP complex and the downstream

NIK-IKK-IKAP complex. Is a substrate for MALT1.

Tissue specificity Ubiquitous.

Involvement in disease Note=A chromosomal aberration involving BCL10 is recurrent in low-grade mucosa-associated

lymphoid tissue (MALT lymphoma). Translocation t(1;14)(p22;q32). Although the BCL10/lgH translocation leaves the coding region of BCL10 intact, frequent BCL10 mutations could be attributed to the lg somatic hypermutation mechanism resulting in nucleotide transitions.

Note=Defects in BCL10 are involved in various types of cancer.

Sequence similarities Contains 1 CARD domain.

Post-translational Phosphorylated. Phosphorylation results in dissociation from TRAF2 and binding to BIRC2/c-

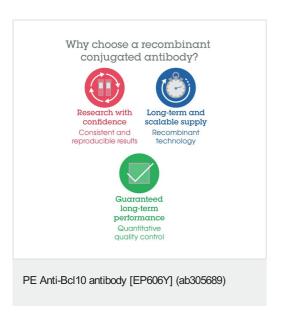
modifications IAP2.

Cellular localization Cytoplasm > perinuclear region. Membrane raft. Appears to have a perinuclear, compact and

filamentous pattern of expression. Also found in the nucleus of several types of tumor cells.

Colocalized with DPP4 in membrane rafts.

#### **Images**



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