



Datasheet for ABIN749843
anti-BCL6 antibody (AA 501-600)



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Overview

Quantity:	100 µL
Target:	BCL6
Binding Specificity:	AA 501-600
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BCL6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Bcl6
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	BCL6
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Target Details

Alternative Name: [Bcl6 \(BCL6 Products\)](#)

Background: Synonyms: BCL5, LAZ3, BCL6A, ZNF51, ZBTB27, B-cell lymphoma 6 protein, BCL-6, B-cell lymphoma 5 protein, BCL-5, Protein LAZ-3, Zinc finger and BTB domain-containing protein 27, Zinc finger protein 51, BCL6

Background: Transcriptional repressor mainly required for germinal center (GC) formation and antibody affinity maturation which has different mechanisms of action specific to the lineage and biological functions. Forms complexes with different corepressors and histone deacetylases to repress the transcriptional expression of different subsets of target genes. Represses its target genes by binding directly to the DNA sequence 5'-TTCCTAGAA-3' (BCL6-binding site) or indirectly by repressing the transcriptional activity of transcription factors. In GC B-cells, represses genes that function in differentiation, inflammation, apoptosis and cell cycle control, also autoregulates its transcriptional expression and up-regulates, indirectly, the expression of some genes important for GC reactions, such as AICDA, through the repression of microRNAs expression, like miR155. An important function is to allow GC B-cells to proliferate very rapidly in response to T-cell dependent antigens and tolerate the physiological DNA breaks required for immunoglobulin class switch recombination and somatic hypermutation without inducing a p53/TP53-dependent apoptotic response. In follicular helper CD4(+) T-cells (T(FH) cells), promotes the expression of T(FH)-related genes but inhibits the differentiation of T(H)1, T(H)2 and T(H)17 cells. Also required for the establishment and maintenance of immunological memory for both T- and B-cells. Suppresses macrophage proliferation through competition with STAT5 for STAT-binding motifs binding on certain target genes, such as CCL2 and CCND2. In response to genotoxic stress, controls cell cycle arrest in GC B-cells in both p53/TP53-dependent and -independent manners. Besides, also controls neurogenesis through the alteration of the composition of NOTCH-dependent transcriptional complexes at selective NOTCH targets, such as HES5, including the recruitment of the deacetylase SIRT1 and resulting in an epigenetic silencing leading to neuronal differentiation.

Gene ID: 604

UniProt: [P41182](#)

Pathways: [Chromatin Binding](#), [Regulation of Leukocyte Mediated Immunity](#), [Production of Molecular Mediator of Immune Response](#), [Protein targeting to Nucleus](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000

Application Details

IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

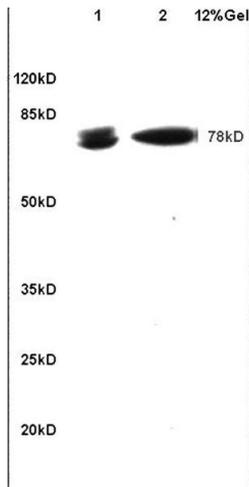
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

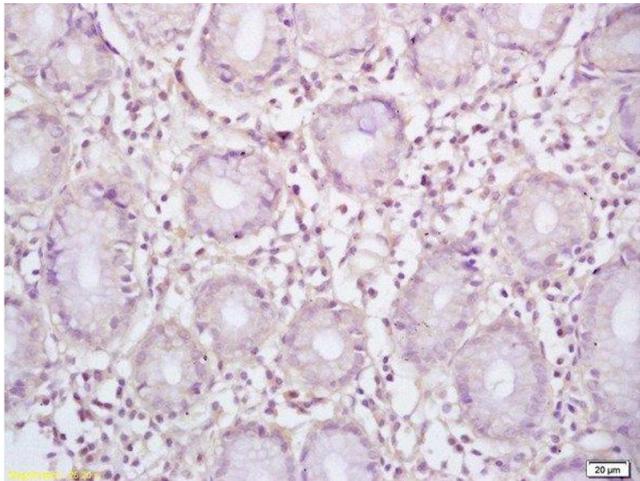
Product cited in: Szabó, Gáspár, Dajnoki, Papp, Fábos, Szegedi, Zeher: "Expansion of circulating follicular T helper cells associates with disease severity in childhood atopic dermatitis." in: **Immunology letters**, Vol. 189, pp. 101-108, (2017) ([PubMed](#)).

Gong, Zhu, Pang, Ai, Gong, La, Ding: "Increased levels of CCR7(lo)PD-1(hi) CXCR5+ CD4+ T cells, and associated factors Bcl-6, CXCR5, IL-21 and IL-6 contribute to repeated implantation failure." in: **Experimental and therapeutic medicine**, Vol. 14, Issue 6, pp. 5931-5941, (2017) ([PubMed](#)).



SDS-PAGE

Image 1. Formalin-fixed and paraffin embedded human gastric carcinoma labeled with Rabbit Anti BCL-6/5 Polyclonal Antibody, Unconjugated (ABIN749843) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded human gastric carcinoma labeled with Rabbit Anti BCL-6/5 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

Image 3. Lane 1: mouse heart lysates Lane 2: mouse brain lysates probed with Anti BCL-6/5 Antibody, Unconjugated (ABIN749843) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 78kD. Observed band size: 78kD

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN749843.