

Rabbit anti-Human, mouse Bcl-6 Polyclonal Antibody | anti-BCL6 antibody

Bcl-6 Antibody (C-term)

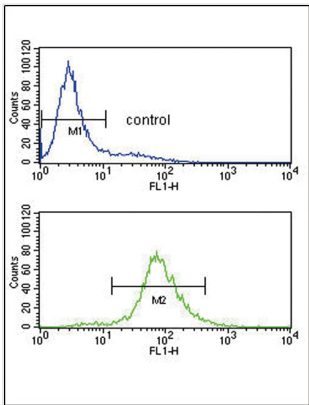
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285547	Rabbit	Human, mouse	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

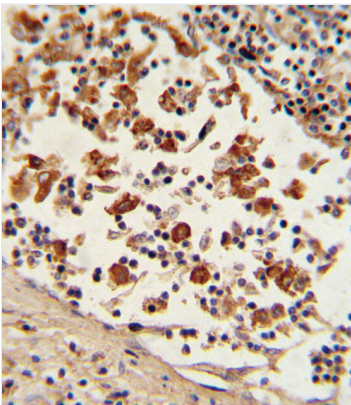
Bcl-6; Polyclonal Antibody; Bcl-6 Antibody (C-term); B-cell lymphoma 6 protein; BCL-6; B-cell lymphoma 5 protein; BCL-5; Protein LAZ-3; Zinc finger and BTB domain-containing protein 27; Zinc finger protein 51; BCL6; BCL5; LAZ3; ZBTB27; ZNF51; anti-BCL6 antibody

PRODUCT SPECIFICATIONS

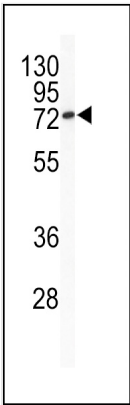
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This Bcl-6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 519-547 amino acids from the C-terminal region of human Bcl-6.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	519-547
Sequence Length	650
Applicable Applications for anti-BCL6 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Function	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 auto-regulates 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 _H cells), promotes the expression of T _H -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.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Bcl-6 Antibody (C-term) flow cytometry analysis of Jurkat cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lymph tissue with Bcl-6 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of Bcl-6 Antibody (C-term) in mouse cerebellum tissue lysates (35ug/lane). BCL6 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-BCL6 antibody	BCL6 is a zinc finger transcription factor and contains an N-terminal POZ domain. This protein acts as a sequence-specific repressor of transcription, and has been shown to modulate the transcription of START-dependent IL-4 responses of B cells. This protein can interact with a variety of POZ-containing proteins that function as transcription corepressors.
Product Categories/Family for anti-BCL6 antibody	Cancer
References	Saito,M., Proc. Natl. Acad. Sci. U.S.A. 106 (27), 11294-11299 (2009) Ci,W., Blood 113 (22), 5536-5548 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	195927002
NCBI GeneID	604
NCBI Accession #	NP_001124317.1; NP_001128210.1; NP_001697.2
NCBI GenBank Nucleotide #	NM_001130845.1
UniProt Accession #	P41182; A7E241; B8PSA7; D3DNV5

NCBI Official Full Name	B-cell lymphoma 6 protein isoform 1
NCBI Official Synonym Full Names	B-cell CLL/lymphoma 6
NCBI Official Symbol	BCL6
NCBI Official Synonym Symbols	BCL5; LAZ3; BCL6A; ZNF51; ZBTB27
NCBI Protein Information	B-cell lymphoma 6 protein
UniProt Protein Name	B-cell lymphoma 6 protein
UniProt Gene Name	BCL6
UniProt Synonym Gene Names	BCL5; LAZ3; ZBTB27; ZNF51; BCL-6; BCL-5
UniProt Entry Name	BCL6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bcl-6-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/285547>