

Rabbit BCL3 Polyclonal Antibody | anti-BCL3 antibody

Anti-BCL3 Antibody

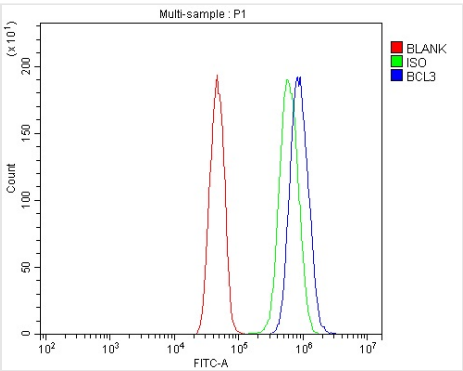
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125669	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

BCL3; Polyclonal Antibody; Anti-BCL3 Antibody; BCL4; D19S37; B-cell lymphoma 3 protein; BCL-3; Proto-oncogene BCL3; BCL3 transcription coactivator; anti-BCL3 antibody

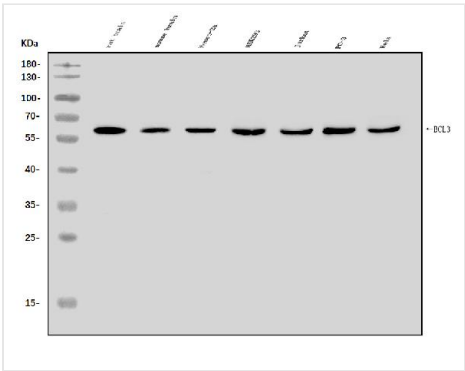
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for BCL3 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na2HPO4.
Applicable Applications for anti-BCL3 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived human BCL3 recombinant protein (Position: E118-Y307).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of U251 cells using anti-BCL3 antibody (AAA125669).Overlay histogram showing U251 cells stained with AAA125669 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BCL3 Antibody (AAA125669, 1μg/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of BCL3 using anti-BCL3 antibody (AAA125669).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30ug of sample under reducing conditions.Lane 1: rat brain tissue lysatesLane 2: mouse brain tissue lysatesLane 3: mouse Neuro-2a whole cell lysatesLane 4: human HEK293 whole cell lysatesLane 5: human Jurkat whole cell lysatesLane 6: human PC-3 whole cell lysatesLane 7: human Hela whole cell lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1. 5 hour at RT. The membrane was incubated with rabbit anti-BCL3 antigen affinity purified polyclonal antibody (Catalog # AAA125669) at 0. 25 μg/mL overnight at 4 degree C, then washed with TBS-0. 1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for BCL3 at approximately 60KD. The expected band size for BCL3 is at 60KD.

ADDITIONAL INFORMATION

Related Product Information for anti-BCL3 antibody	B-cell lymphoma 3-encoded protein is a protein that in humans is encoded by the BCL3 gene. This gene is a proto-oncogene candidate. It is identified by its translocation into the immunoglobulin alpha-locus in some cases of B-cell leukemia. The protein encoded by this gene contains seven ankyrin repeats, which are most closely related to those found in I kappa B proteins. The BCL3 gene is mapped to human chromosome 19. This protein functions as a transcriptional coactivator that activates through its association with NF-kappa B homodimers. The expression of this gene can be induced by NF-kappa B, which forms a part of the autoregulatory loop that controls the nuclear residence of p50 NF-kappa B.
References	1. Wulczyn FG, Naumann M, Scheidereit C (Sep 1992). "Candidate proto-oncogene bcl-3 encodes a subunit-specific inhibitor of transcription factor NF-kappa B". Nature 358 (6387): 597-9. 2. Ohno H, Takimoto G, McKeithan TW (May 1990). "The candidate proto-oncogene bcl-3 is related to genes implicated in cell lineage determination and cell cycle control". Cell 60 (6): 991-7. 3. McKeithan, T. W., Rowley, J. D., Shows, T. B., Diaz, M. O. Cloning of the chromosome translocation breakpoint junction of the t(14;19) in chronic lymphocytic leukemia. Proc. Nat. Acad. Sci. 84: 9257-9260, 1987.

NCBI AND UNIPROT INFORMATION

NCBI GI #	164664508
NCBI GeneID	602
NCBI Accession #	NP_005169.2
NCBI GenBank Nucleotide #	NM_005178.4
UniProt Accession #	P20749
Molecular Weight	47,584 Da
NCBI Official Full Name	B-cell lymphoma 3 protein
NCBI Official Synonym Full Names	B-cell CLL/lymphoma 3

NCBI Official Symbol	BCL3
NCBI Official Synonym Symbols	BCL4; D19S37
NCBI Protein Information	B-cell lymphoma 3 protein; BCL-3; proto-oncogene BCL3; B-cell leukemia/lymphoma 3; B-cell lymphoma 3-encoded protein; chronic lymphatic leukemia protein
UniProt Protein Name	B-cell lymphoma 3 protein
UniProt Gene Name	BCL3
UniProt Synonym Gene Names	BCL4; D19S37; BCL-3
UniProt Entry Name	BCL3_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/bcl3-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125669>