Datasheet for ABIN6655291

anti-BCL3 antibody (C-Term)

4 Images

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Overview

Quantity:	25 µL
Target:	BCL3
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BCL3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP), Flow Cytometry (FACS), Immunofluorescence (IF), Fluorescence Microscopy (FM)

Product Details

Purpose:	BCL3 Antibody
Immunogen:	Anti-BCL3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a C-Term portion of human BCL3 conjugated to Keyhole Limpet Hemocyanin (KLH).
Isotype:	IgG
Cross-Reactivity (Details):	This affinity purified antibody is directed against human BCL3.
Purification:	This product was affinity purified from monospecific antiserum by immunoaffinity purification.
Sterility:	Sterile filtered

Target Details

Target:	BCL3
Alternative Name:	BCL3 (BCL3 Products)
Background:	Synonyms: rabbit anti-BCL3 antibody, rabbit anti-BCL-3 Antibody, BCL 3, B-cell lymphoma 3 protein, B-cell lymphoma 3 protein Antibody Background: BCL3 belongs to the ANKRD family. The protein contains seven ankyrin repeats, which are closely related to those found in I kappa B proteins. BCL3 functions as a transcriptional co-activator, regulator of transcriptional activation, promotor of transcription, and inhibitor of nuclear translocation of NF-kappa B. It is a proto-oncogene identified by its translocation into the immunoglobulin alpha-locus in some cases of B-cell leukemia. BCL3 contributes to the regulation of cell proliferation. Therefore, BCL3 may be associated with B-cell chronic lymphocytic leukemia, lymphoma, or other hematologic diseases. Anti-BCL3 Antibody is useful for researchers interested in Cancer Research, NF-Kappa B Pathway, and TNF Signaling Pathway. Gene Name: BCL3
Gene ID:	602
NCBI Accession:	NP_005169
UniProt:	P20749
Pathways:	NF-kappaB Signaling, Maintenance of Protein Location, Protein targeting to Nucleus

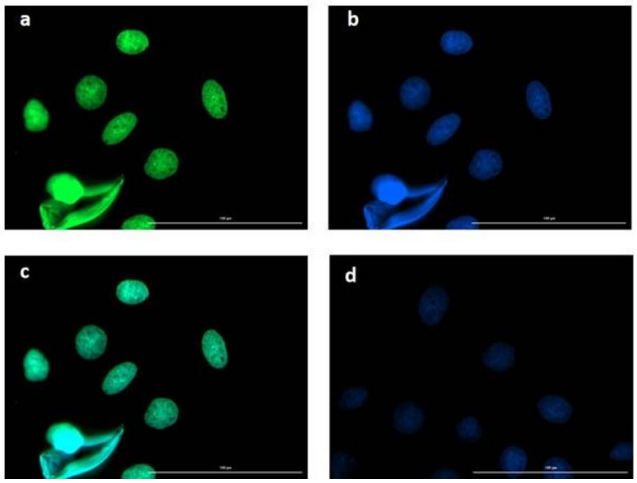
Application Details

Application Notes:	Immunoprecipitation_Dilution: User Optimized ELISA_Dilution: 5.0 µg/mL Immunohistochemistry_Dilution: 1:200 Flow_Cytometry_Dilution: User Optimized IF_Microscopy_Dilution: 10 µg/mL Western_Blot_Dilution: 1.0 µg/mL
Comment:	Anti-BCL-3 Antibody has been tested in Western Blot, ELISA, and Immunofluorescence. Expect a band at 47.5 kDa in western blot using appropriate lysates. Positive control used recombinant BCL3 protein, HEK293T overexpressing BCL3 or U87 whole cell lysates at 1µg/mL in WB, and U87MG with PFA at 10µg/mL in IF. Although not tested, this antibody is likely functional in immunohistochemistry, flow cytometry, and immunoprecipitation.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiry Date:	12 months

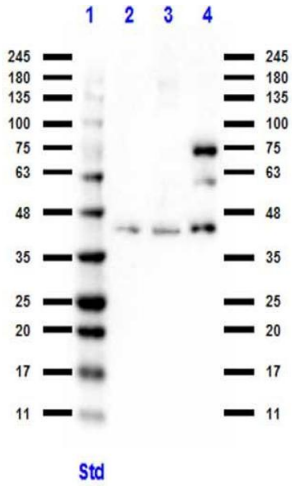
Images



Immunofluorescence

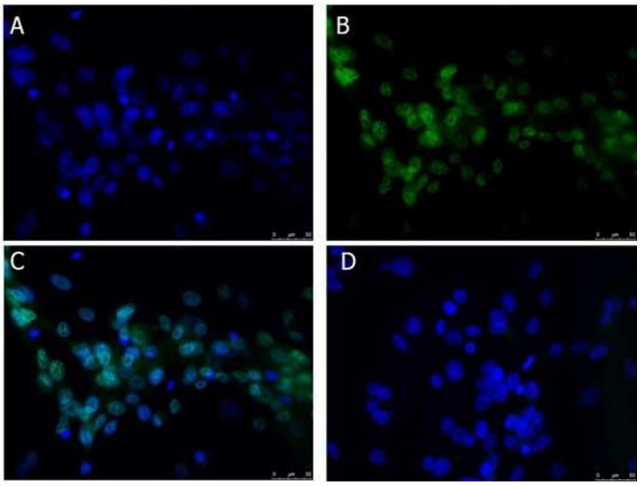
Image 1. Immunofluorescence microscopy of BCL3 Immunofluorescence microscopy of Anti-BCL3 in Caco-2 cells using FITC-conjugated Fluorescent anti-rabbit IgG for detection. Caco-2 cells were fixed with 4% PFA, blocked (5% mouse serum/0.3% Triton X-100 in 1X PBS) for 1hr, then incubated with 15µg/mL of anti-BCL3 primary antibody (Cat. No. 600-401-GU4) at 4°C overnight. Following 3 washes in 1X PBS for 5min each, 5µg/mL of FITC-conjugated Fluorescent anti-rabbit IgG was added and allowed to incubate for 1hr at room temperature. Nuclei were counterstained with DAPI present in mounting medium. The predicted main localization is nucleoplasm. Additional localization in some cell types includes vesicles and midbody. (a) BCL3 (b) DAPI (c) merged DAPI/BCL3 (d)

secondary antibody only. Image taken at 40X magnification.



Western Blotting

Image 2. Western Blot of Rabbit anti-BCL3 antibody Western Blot of Rabbit anti-BCL3 antibody. Lane 1: MW ladder . Lane 2: U-87 MG WCL. Lane 3: C2C12 WCL . Lane 4: NIH/3T3 WCL . Load: 10 ug per lane. Primary antibody: BCL3 antibody at 1:1000 for overnight at 4°C. Secondary antibody: goat anti-rabbit secondary HRP antibody at 1:70,000 for one hour at RT. Block: 1% Casein (PVDF) blocking buffer one hour at RT. Predicted/Observed size: 47 kda. Other band(s): BCL3 processing caused by ubiquitination, phosphorylations.



Immunofluorescence

Image 3. Immunofluorescence Microscopy of Rabbit anti-BCL3 antibody Immunofluorescence Microscopy of Rabbit anti-BCL3 antibody. Tissue: U-87-MG cells. Fixation: 4% PFA. Antigen retrieval: not required. Primary antibody: BCL3 antibody at 10 µg/mL overnight at 4°C. Secondary antibody: Donkey Anti-Rabbit IgG 488 at 5 ug/ml for 2 h at RT. Localization: BCL3 is subcellularly localized in the cytosol, nucleoplasm, midbody and vesicles. Staining: BCL3 as green fluorescent signal with DAPI (blue) nuclear counterstain.

Please check the product details page for more images. Overall 4 images are available for ABIN6655291.