

BCL2 Polyclonal Antibody

Catalog number: 12789-1-AP

Size: 45 µg/150 µl

Source: Rabbit

Isotype: IgG

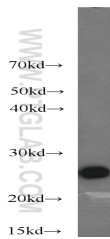
Synonyms:

BCL2; Apoptosis regulator Bcl

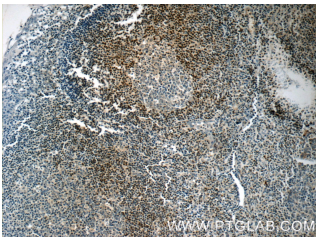
2, B cell CLL/lymphoma 2,

BCL2, Oncogene B cell leukemia

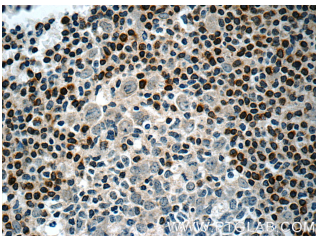
2



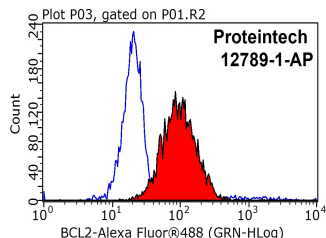
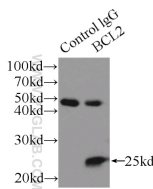
HL-60 cells were subjected to SDS PAGE followed by western blot with 12789-1-AP(BCL2 antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using 12789-1-AP(BCL2 Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using 12789-1-AP(BCL2 Antibody) at dilution of 1:50 (under 40x lens)



Background

BCL2 belongs to the Bcl-2 family. It suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. BCL2 regulates cell death by controlling the mitochondrial membrane permeability (PMID: 10365962). It appears to function in a feedback loop system with caspases. BCL2 inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1) (PMID: 10444588).

Applications

Tested applications:

ELISA, WB, IP, IHC, FC

Cited applications:

IF, IHC, IP, WB

Species specificity:

Human, Mouse, Rat; other species not tested.

Cited species:

Guinea pig, human, mouse, rabbit, rat

Calculated BCL2 MW:

26 kDa

Observed BCL2 MW:

25-30 kDa

Positive WB detected in

HL-60 cells, HepG2 cells, Jurkat cells, mouse spleen tissue, rat brain tissue, rat spleen tissue, RAW 264.7 cells, U-937 cells

Positive IP detected in

MCF-7 cells, HepG2 cells, HL-60 cells

Positive IHC detected in

Human tonsillitis tissue, human breast cancer tissue, human colon cancer tissue, human lung cancer tissue, human lymphoma tissue

Positive FC detected in

Jurkat cells

Recommended dilution:

WB: 1:500-1:5000

IP: 1:500-1:5000

IHC: 1:20-1:200

FC: N/A

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:

Ag3508

GenBank accession number:

BC027258

Gene ID (NCBI):

596

Full name:

B-cell CLL/lymphoma 2

Product information

Purification method:

Antigen affinity purification

Storage:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

**IP Result of anti-BCL2
(IP:12789-1-AP, 3ug;
Detection:12789-1-AP 1:1000)
with MCF-7 cells lysate
2500ug.**

**1X10⁶ Jurkat cells were
stained with 0.2ug BCL2
antibody (12789-1-AP, red)
and control antibody (blue).
Fixed with 90% MeOH
blocked with 3% BSA (30
min). Alexa Fluor 488-
conjugated AffiniPure Goat
Anti-Rabbit IgG(H+L) with
dilution 1:1000.**