Bcl-XL Polyclonal antibody

Catalog Number: 10783-1-AP

Basic Information

Catalog Number: 10783-1-AP
Size: 150μl, Concentration: 450 μg/ml by Nanodrop and 233 μg/ml by Bradford method using BSA as the standard
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG1232

GenBank Accession Number: BC019307
GeneID (NCBI): 598
Full Name: BCL2-like 1
Calculated MW: 26 kDa
Observed MW: 30 kDa

Purification Method: Antigen affinity purification
Recommended Dilutions:
WB: 1:1000-1:4000
IP: 0.5-4.0 μg for IP and 1:500-1:1000 for WB
IHC: 1:50-1:500
IF: 1:10-1:100

Applications

Tested Applications:
FC, IF, IHC, IP, WB, ELISA
Cited Applications:
ChIP, IHC, WB

Species Specificity:
human, mouse, rat
Cited Species:
goat, human, mouse, rat, sheep

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

BCL2L1 is a member of the BCL-2 protein family. BCL2L1 is expressed as three isoforms, Bcl-X(L), Bcl-X(s) and Bcl-X(beta), and is located at the outer mitochondrial membrane. The Bcl-X(L) isoform is a 233 amino acid protein, acting as an apoptotic inhibitor. Bcl-XL can form heterodimers with BAX, BAK or BCL2, and the heterodimerization with BAX does not seem to be required for anti-apoptotic activity. The Bcl-X(s) isoform is a shorter variant that is 178 amino acids in length and lacks a 63 amino acid region (amino acids 126-188), acting as an apoptotic activator. Bcl-X(beta) is a 227 amino acid protein. This antibody can recognize Bcl-XL, Bcl-X(s) and Bcl-X(beta).

Notable Publications

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<td>Han Li</td>
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Storage

Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintechn@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
A549 cells were subjected to SDS PAGE followed by western blot with 10783-1-AP (Bcl-XL antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

WB result of Bcl-XL antibody (10783-1-AP, 1:800) with si-Control and si-Bcl-XL transfected HeLa cells.

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10783-1-AP (Bcl-XL antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10783-1-AP (Bcl-XL antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of fixed NIH/3T3 cells using 10783-1-AP (Bcl-XL antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.

IP result of anti-Bcl-XL (IP:10783-1-AP, 3ug; Detection:10783-1-AP 1:500) with K-562 cells lysate 8000 ug.

1X10^6 Jurkat cells were intracellularly stained with 0.2 ug Anti-Human Bcl-XL (10783-1-AP) and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.