Bcl-XL Polyclonal ANTIBODY

Catalog Number: 10783-1-AP

Basic Information

Catalog Number: 10783-1-AP
Size: 150μL, Concentration: 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:
IHC, WB
Species Specificity:
human, mouse, rat
Cited Species:
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) isform is a 233 amino acid protein, acting as an apoptotic inhibitor. Bcl-XL can forms 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) isform 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 Wang</td>
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<td>Takako Tabata</td>
<td>27638253</td>
<td>Am J Pathol</td>
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Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% 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: proteintech@ptglab.com
W: ptglab.com

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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).

Immunofluorescent analysis of 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 stained with 0.20ug Bcl-XL antibody (10783-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA[30 min]. Alexa Fluor488-conjugated AfiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.