For Research Use Only

Bcl-XL Polyclonal antibody

Catalog Number:10783-1-AP Featured Product 169 Publications

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Basic Information

Catalog Number:
10783-1-AP

Size:
150ul , 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 1:2000-1:12000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF 1:10-1:100

Applications

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

Cited Applications:
ChIP, IF, IHC, IP, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, goat, rat, sheep, mouse, zebrafish, hamster, pig

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

Positive Controls:

WB : A549 cells, Raji cells, Jurkat cells, rat brain tissue, HeLa cells, NIH/3T3 cells, human placenta tissue, C6 cells, K-562 cells, mouse placenta tissue, RAW264.7

IP : k-562 cells,

IHC : human lung cancer tissue, human colon tissue

IF : NIH/3T3 cells,

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 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) 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

Author	Pubmed ID	Journal	Application
Yanhui Zhu	36183949	J Ethnopharmacol	IF
Xufeng Tao	25083618	Transplantation	WB
Yanling Lin	36139911	Antioxidants (Basel)	WB

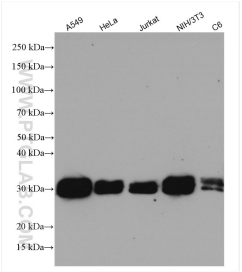
Storage

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

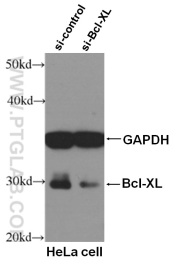
*** 20ul sizes contain 0.1% BSA

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

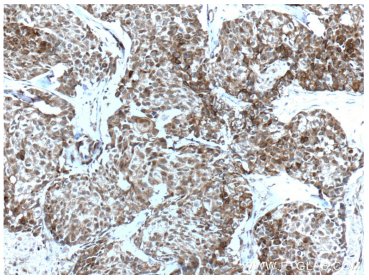
Selected Validation Data



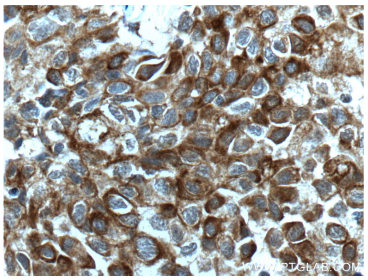
Various lysates were subjected to SDS PAGE followed by western blot with 10783-1-AP (Bcl-XL antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



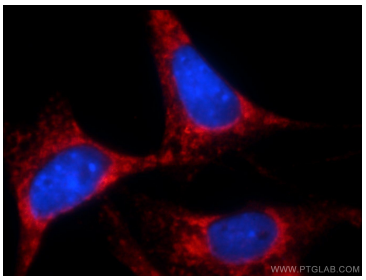
WB result of Bcl-XL antibody (10783-1-AP, 1:800) with si-Control and si-Bcl-XL transfected HeLa cells.



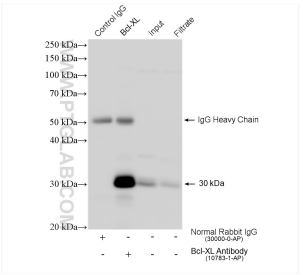
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10783-1-AP (Bcl-XL antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



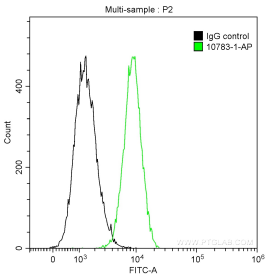
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10783-1-AP (Bcl-XL antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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, 4ug; Detection:10783-1-AP 1:1000) with k-562 cells lysate 1760 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 .