

[KD Validated] Bcl-XL Rabbit mAb

Catalog No.: A28952 **Recombinant**

Basic Information

Observed MW

30 kDa

Calculated MW

19 kDa/25 kDa/26 kDa

Category

Primary antibody

Applications

WB,IP,IF/ICC,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC3781

Background

The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The proteins encoded by this gene are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Alternative splicing results in multiple transcript variants encoding two different isoforms. The longer isoform acts as an apoptotic inhibitor and the shorter isoform acts as an apoptotic activator.

Recommended Dilutions

WB 1:2000 - 1:8000

IP 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts
of whole cells

IF/ICC 1:100 - 1:500

IHC-P 1:100 - 1:400

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

598

Swiss Prot

Q07817

Immunogen

This information is considered to be commercially sensitive.

Synonyms

BCLX; BCL2L; Bcl-X; PPP1R52; BCL-XL/S

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

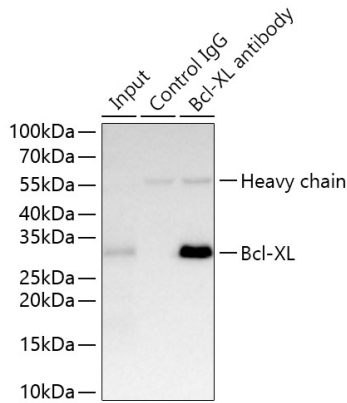
Contact

 | 400-999-6126

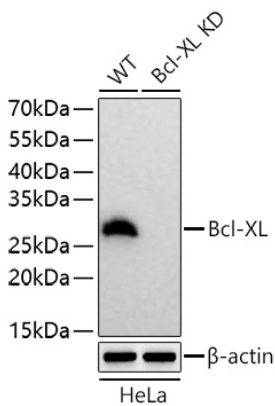
 | cn.market@abclonal.com.cn

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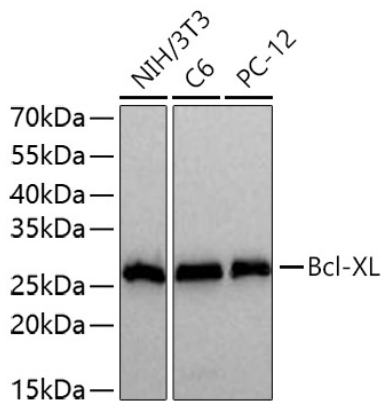
Validation Data



Immunoprecipitation of Bcl-X from 300 µg extracts of HeLa cells was performed using 1 µg of [KD Validated] Bcl-XL Rabbit mAb (A28952). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KD Validated] Bcl-XL Rabbit mAb (A28952) at a dilution of 1:5000.

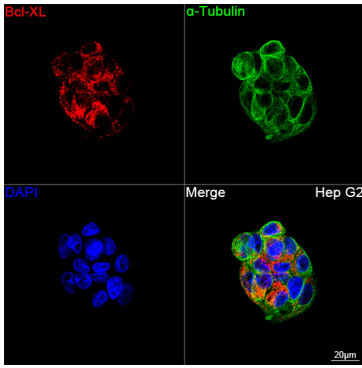


Western blot analysis of lysates from wild type (WT) and Bcl-XL knockdown (KD) HeLa cells using [KD Validated] Bcl-XL Rabbit mAb (A28952) at 1:4000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.

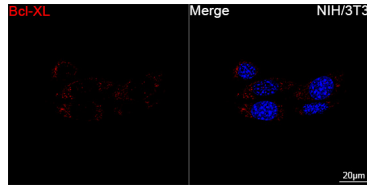


Western blot analysis of various lysates using [KD Validated] Bcl-XL Rabbit mAb (A28952) at 1:4000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.

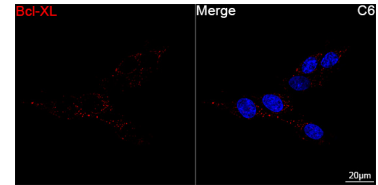
Validation Data



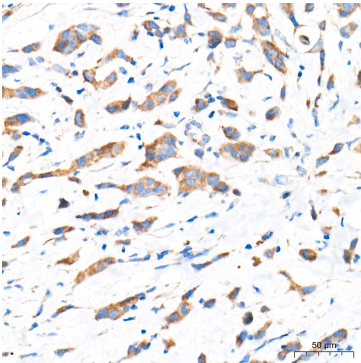
Confocal imaging of Hep G2 cells using [KD Validated] Bcl-XL Rabbit mAb (A28952, dilution 1:300) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



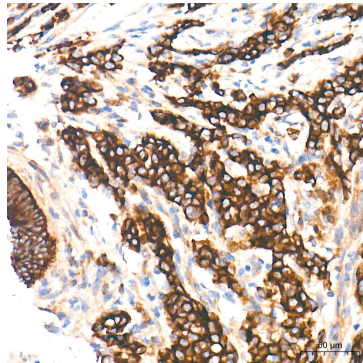
Confocal imaging of NIH/3T3 cells using [KD Validated] Bcl-XL Rabbit mAb (A28952, dilution 1:300) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



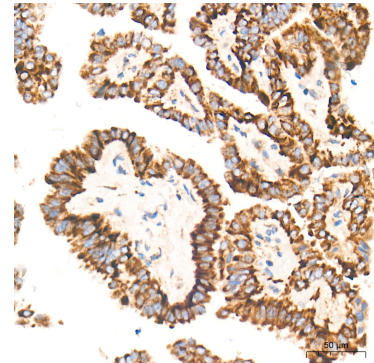
Confocal imaging of C6 cells using [KD Validated] Bcl-XL Rabbit mAb (A28952, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



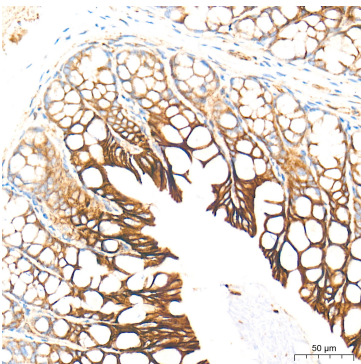
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using [KD Validated] Bcl-XL Rabbit mAb (A28952) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



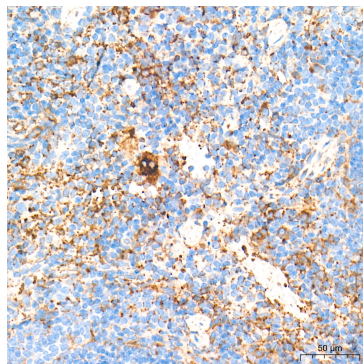
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KD Validated] Bcl-XL Rabbit mAb (A28952) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



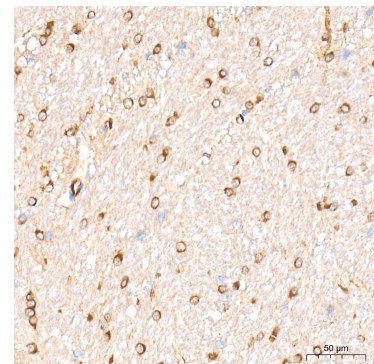
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using [KD Validated] Bcl-XL Rabbit mAb (A28952) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using [KD Validated] Bcl-XL Rabbit mAb (A28952) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using [KD Validated] Bcl-XL Rabbit mAb (A28952) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using [KD Validated] Bcl-XL Rabbit mAb (A28952) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-

Validation Data

EDTA Buffer (pH 9.0) prior to IHC staining.

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