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Anti-Bcl-G BCL2L14 Antibody

Catalog Number: A09347

About BCL2L14

Members in the Bcl-2 family are critical regulators of apoptosis by either inhibiting or promoting cell death. Bcl-2 homology 3 (BH3) domain is a potent death domain. BH3 domain containing pro-apoptotic proteins, including Bad, Bax, Bid, Bik, and Hrk, form a growing subclass of the Bcl-2 family. A novel BH3 domain containing protein was recently identified and designated Bcl-G. The mRNA of Bcl-G encodes 2 isoforms, Bcl-GL, which is widely expressed in multiple tissues, and Bcl-GS, which is only found in testis. The Bcl-GS protein is predominantly localized to cytoplasmic organelles whereas Bcl-GL was distributed throughout the cytosol. Overexpression of either protein induced apoptosis, although Bcl-GS was far more potent than Bcl-GS. Apoptosis induction was dependent on the BH3 domain and could be suppressed by co-expression with the anti-apoptotic Bcl-XL protein.

Overview

| Product Name | Anti-Bcl-G BCL2L14 Antibody |
|----------------------|--|
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Bcl-G BCL2L14 Antibody (Catalog # A09347). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat. |
| Application | ELISA, IF, IHC-P, WB |
| Clonality | Polyclonal |
| Formulation | Bcl-G Antibody is supplied in PBS containing 0.02% sodium azide. |
| Storage Instructions | Bcl-G antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |
| Host | Rabbit |
| Uniprot ID | Q9BZR8 |

Technical Details

| Immunogen | Bcl-G antibody was raised against a peptide corresponding to 15 amino acids near the N-terminus of human Bcl-G. The immunogen is located within the first 50 amino acids of Bcl-G. |
|----------------------------|--|
| Predicted Reactive Species | Bovine |
| Cross Reactivity | Although antibody should react with both isoforms, only the Bcl-GS protein has been observed |
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |



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| Purification | Bcl-G Antibody is Ion exchange chromatography purified. |
|---------------------|---|
| Suggested Dilutions | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Bcl-G antibody can be used for detection of Bcl-G by Western blot at 2.5 to 5 ug/mL. Antibody can also be used for immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 10 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher. |



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Anti-Bcl-G BCL2L14 Antibody (A09347) Images



Western blot analysis of Bcl-G in U937 cell lysates with Bcl-G antibody at (A) 2.5 and (B) 5 ug/mL.



Immunohistochemical staining of mouse testis tissue using Bcl-G antibody at 2 ug/mL.



Immunofluorescence of Bcl-G in Mouse Testis cells with Bcl-G antibody at 10 ug/mL.

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