

**Bcl-G Antibody**  
**Catalog # ASC10203****Specification**

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**Bcl-G Antibody - Product Information**

Application	WB, IHC-P, IF, E
Primary Accession	<a href="#">Q9BZR8</a>
Other Accession	<a href="#">NM_030766</a> , <a href="#">13540528</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	Bcl-G antibody can be used for detection of Bcl-G by Western blot at 2.5 to 5 µg/mL. Antibody can also be used for immunohistochemistry starting at 2 µg/mL. For immunofluorescence start at 10 µg/mL.

**Bcl-G Antibody - Additional Information**Gene ID **79370****Other Names**

Bcl-G Antibody: BCLG, BCLG, Apoptosis facilitator Bcl-2-like protein 14, Apoptosis regulator Bcl-G, Bcl2-L-14, BCL2-like 14 (apoptosis facilitator)

**Target/Specificity**

BCL2L14; Although antibody should react with both isoforms, only the Bcl-GS protein has been observed

**Reconstitution & Storage**

Bcl-G antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

Bcl-G Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Bcl-G Antibody - Protein Information****Name** BCL2L14**Synonyms** BCLG**Function**

Plays a role in apoptosis.

**Cellular Location**

Cytoplasm. [Isoform 2]: Endomembrane system. Note=Predominantly localized to cytosolic

organelles

#### **Tissue Location**

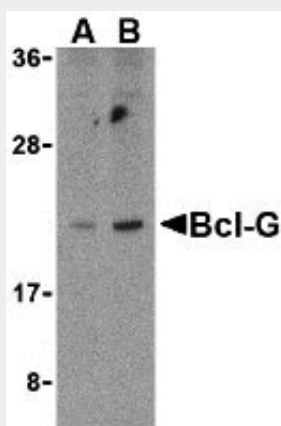
Isoform 1 is widely expressed. Isoform 2 is testis- specific.

#### **Bcl-G Antibody - Protocols**

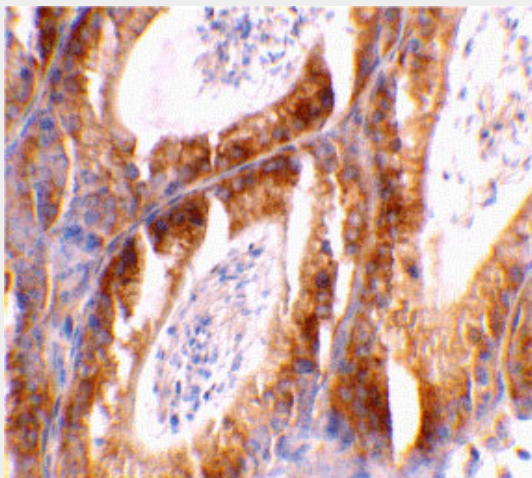
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

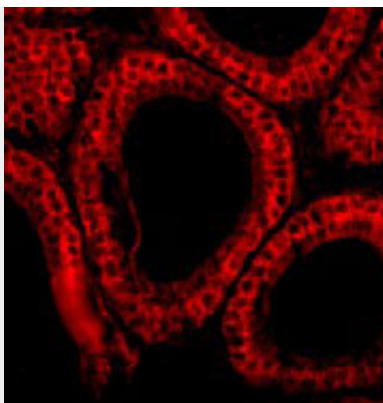
#### **Bcl-G Antibody - Images**



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



Immunohistochemical staining of mouse testis tissue using Bcl-G antibody at 2  $\mu$ g/mL.



Immunofluorescence of Bcl-G in Mouse Testis cells with Bcl-G antibody at 10  $\mu$ g/mL.

### **Bcl-G Antibody - Background**

**Bcl-G Antibody:** 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.

### **Bcl-G Antibody - References**

Cory S, Huang DCS, and Adams JM. The Bcl-2 family: roles in cell survival and oncogenesis. *Oncogene* 2003; 22:8590-607.  
Heiser D, Labi V, Erlacher M, et al. The Bcl-2 protein family and its role in the development of neoplastic disease. *Exp. Gerontol.* 2004; 39:1125-35.  
Guo B, Godzik A, and Reed JC. Bcl-G, a novel pro-apoptotic member of the Bcl-2 family. *J. Biol. Chem.* 2000; 276:2780-5.