

**Bcl-rambo Antibody**  
**Catalog # ASC10167****Specification**

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**Bcl-rambo Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">Q9B XK5</a>
Other Accession	<a href="#">AAH07658</a> , <a href="#">14043326</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	Bcl-rambo antibody can be used for the detection of Bcl-rambo by Western blot at 2 and 4 µg/mL. Antibody can also be used for immunohistochemistry starting at 10 µg/mL. For immunofluorescence start at 20 µg/mL.

**Bcl-rambo Antibody - Additional Information**Gene ID **23786****Other Names**

Bcl-rambo Antibody: MIL1, BCL-RAMBO, Bcl2-L-13, MIL1, CD003, Bcl-2-like protein 13, Bcl-rambo, BCL2-like 13 (apoptosis facilitator)

**Target/Specificity**

BCL2L13;

**Reconstitution & Storage**

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

**Bcl-rambo Antibody - Protein Information****Name** BCL2L13**Synonyms** MIL1**Function**

May promote the activation of caspase-3 and apoptosis.

**Cellular Location**

[Isoform 2]: Mitochondrion membrane; Single-pass membrane protein. Nucleus

#### **Tissue Location**

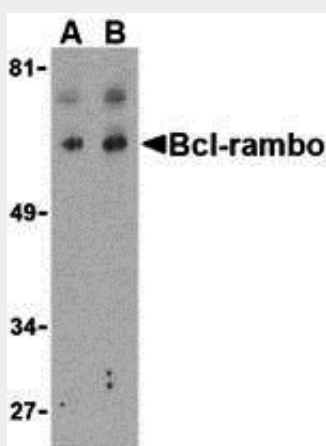
Ubiquitous, with the highest levels of expression in heart, placenta and pancreas

#### **Bcl-rambo Antibody - Protocols**

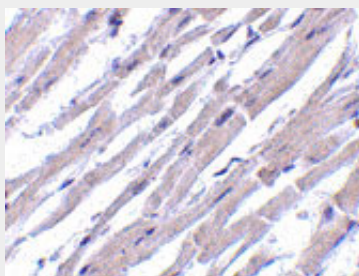
Provided below are standard protocols that you may find useful for product applications.

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

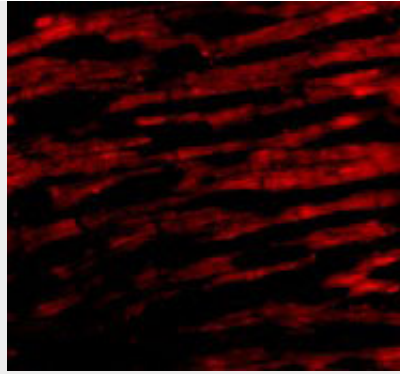
#### **Bcl-rambo Antibody - Images**



Western blot analysis of Bcl-rambo in K562 cell lysate with Bcl-rambo antibody at (A) 2 and (B) 4  $\mu\text{g/mL}$ .



Immunohistochemistry of Bcl-rambo in human heart tissue with Bcl-rambo antibody at 10  $\mu\text{g/mL}$ .



Immunofluorescence of Bcl-rambo in Human Heart cells with Bcl-rambo antibody at 20 µg/mL.

### **Bcl-rambo Antibody - Background**

Bcl-rambo Antibody: Apoptosis plays a major role in normal organism development, tissue homeostasis, and removal of damaged cells. Disruption of this process has been implicated in a variety of diseases such as cancer. Members of the Bcl-2 family are known to be critical regulators of this process. These proteins are characterized by the presence of several conserved motifs termed Bcl-2 homology (BH) domains. A novel, widely expressed member termed Bcl-rambo was recently identified. This protein is localized to mitochondria in mammalian cells and its overexpression induces apoptosis which could be blocked by co-expression of inhibitor of apoptosis proteins (IAPs) such as XIAP, cIAP1, and cIAP2. Bcl-rambo shows overall homology to the anti-apoptotic members containing BH motifs, but unlike Bcl-2, the C-terminal membrane anchor of Bcl-rambo is preceded by a unique 250 amino acid insertion. This region by itself can induce apoptosis more efficiently than the Bcl-2 homology regions, suggesting that Bcl-rambo may be important other pro-apoptotic pathways.

### **Bcl-rambo Antibody - References**

Lockshin RA, Osborne B, and Zakeri Z. Cell death in the third millennium. *Cell Death Differ.* 2000; 7:2-7.

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.

Kataoka T, Holler N, Michau O, et al. Bcl-rambo, a novel Bcl-2 homologue that induces apoptosis via its unique C-terminal extension. *J. Biol. Chem.* 2001; 276:19548-54.,