

**BAG5 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16429a**

**Specification**

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**BAG5 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9UL15</a>
Other Accession	<a href="#">Q2TA08</a> , <a href="#">NP_001015048.1</a> , <a href="#">NP_004864.1</a>
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	51200
Antigen Region	21-50

**BAG5 Antibody (N-term) - Additional Information**

**Gene ID** 9529

**Other Names**

BAG family molecular chaperone regulator 5, BAG-5, Bcl-2-associated athanogene 5, BAG5, KIAA0873

**Target/Specificity**

This BAG5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-50 amino acids from the N-terminal region of human BAG5.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

BAG5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**BAG5 Antibody (N-term) - Protein Information**

**Name** BAG5

### Synonyms KIAA0873

**Function** Co-chaperone for HSP/HSP70 proteins. It functions as a nucleotide-exchange factor promoting the release of ADP from HSP70, thereby activating HSP70-mediated protein refolding (PubMed:[20223214](#)). Has an essential role in maintaining proteostasis at junctional membrane complexes (JMC), where it may function as a scaffold between the HSPA8 chaperone and JMC proteins enabling correct, HSPA8-dependent JMC protein folding (By similarity). Inhibits both auto-ubiquitination of PRKN and ubiquitination of target proteins by PRKN (By similarity).

### Cellular Location

Note=In cardiomyocytes, localized at specialized membrane contact sites between T-tubules and the sarcoplasmic reticulum, known as junctional membrane complexes {ECO:0000250|UniProtKB:Q8CI32}

### Tissue Location

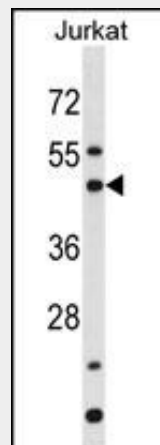
Expressed in the heart.

### BAG5 Antibody (N-term) - 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](#)

### BAG5 Antibody (N-term) - Images



BAG5 Antibody (N-term) (Cat. #AP16429a) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the BAG5 antibody detected the BAG5 protein (arrow).

### BAG5 Antibody (N-term) - Background

BAG5 is a member of the BAG1-related protein family. BAG1 is an anti-apoptotic protein that functions through interactions with a variety of cell apoptosis and

growth related proteins including BCL-2, Raf-protein kinase, steroid hormone receptors, growth factor receptors and members of the heat shock protein 70 kDa family. This protein contains a BAG domain near the C-terminus, which could bind and inhibit the chaperone activity of Hsc70/Hsp70. Three transcript variants encoding two different isoforms have been found for this gene.

#### **BAG5 Antibody (N-term) - References**

Bailey, S.D., et al. Diabetes Care (2010) In press :  
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)  
Kalia, S.K., et al. Neuron 44(6):931-945(2004)  
Takayama, S., et al. J. Biol. Chem. 274(2):781-786(1999)  
Hohfeld, J., et al. EMBO J. 16(20):6209-6216(1997)