

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

BAG5 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9UL15
Other Accession	Q2TA08 , NP_001015048.1 , NP_004864.1
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

E~~Use at an assay dependent concentration.

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}

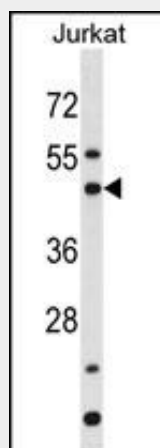
Tissue Location

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)