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BAG5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16429a

Specification

BAG5 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9UL15
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}

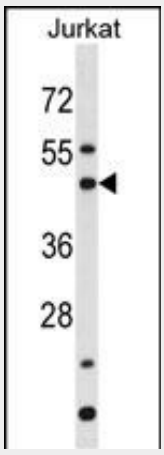
Tissue Location
Expressed in the heart.

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 Cytomety
- 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)