

BAG5 Antibody

Rabbit Polyclonal Antibody Catalog # ALS11547

Specification

BAG5 Antibody - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW
Dilution

WB, IHC-P

O9UL15

Human

Rabbit

Polyclonal

51kDa KDa

WB~~1:1000

IHC-P~~N/A

BAG5 Antibody - Additional Information

Gene ID 9529

Other Names

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

Target/Specificity

Peptide from human BAG-5

Reconstitution & Storage

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions

BAG5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

BAG5 Antibody - 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:Q8Cl32}

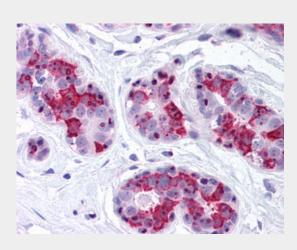
Tissue Location Expressed in the heart.

BAG5 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

BAG5 Antibody - Images



Anti-BAG5 antibody IHC of human breast.

BAG5 Antibody - Background

Inhibits both auto-ubiquitination of PARK2 and ubiquitination of target proteins by PARK2 (By similarity). May function as a nucleotide exchange factor for HSP/HSP70, promoting ADP release, and activating Hsp70-mediated refolding.

BAG5 Antibody - References

Takayama S.,et al.J. Biol. Chem. 274:781-786(1999). Nagase T.,et al.DNA Res. 5:355-364(1998). Heilig R.,et al.Nature 421:601-607(2003). Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011). Hasson S.A.,et al.Nature 504:291-295(2013).