

BAG5 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS11547**Specification**

BAG5 Antibody - Product Information

Application	IHC
Primary Accession	O9UL15
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51kDa KDa

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:Q8CI32}

Tissue Location

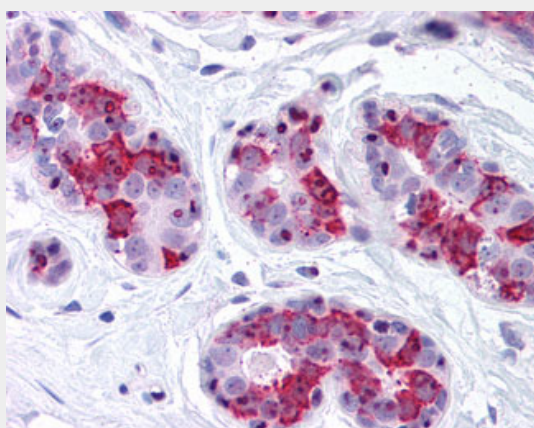
Expressed in the heart.

BAG5 Antibody - Protocols

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

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