

**BAG5 Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2639a****Specification**

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**BAG5 Antibody (internal region) - Product Information**

Application	WB, E
Primary Accession	<a href="#">O9UL15</a>
Other Accession	<a href="#">NP_001015049.1</a> , <a href="#">NP_001015048.1</a> , <a href="#">NP_004864.1</a> , <a href="#">9529</a>
Reactivity	Human
Predicted	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	51200

**BAG5 Antibody (internal region) - Additional Information****Gene ID** 9529**Other Names**

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

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

BAG5 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**BAG5 Antibody (internal region) - 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:<a href="http://www.uniprot.org/citations/20223214" target="\_blank">20223214</a>). 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 (internal region) - 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 (internal region) - Images**

AF1583a (1 µg/ml) staining of Jurkat lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**BAG5 Antibody (internal region) - Background**

This antibody is expected to recognise reported isoform a (NP\_001015049.1) and isoform, b (NP\_001015048.1; NP\_004864.1).

**BAG5 Antibody (internal region) - References**

BAG5 inhibits parkin and enhances dopaminergic neuron degeneration. Kalia SK, Lee S, Smith PD, Liu L, Crocker SJ, Thorarinsdottir TE, Glover JR, Fon EA, Park DS, Lozano AM. Neuron. 2004 Dec 16;44(6):931-45. PMID: 15603737