

BAG5 (internal) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2646a

Specification

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

Application	E
Primary Accession	O9UL15
Other Accession	NP_001015048.1 , NP_001015049.1 , NP_004864.1 , 9529 , 70369 (mouse) , 366734 (rat)
Predicted Host	Human, Mouse, Rat
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG 51200

BAG5 (internal) 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

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

BAG5 (internal) 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: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 (internal) 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 (internal) Antibody (internal region) - Images

BAG5 (internal) Antibody (internal region) - Background

This antibody is expected to recognise reported isoforms a (NP_001015049.1) and b (NP_001015048.1, NP_004864.1).

BAG5 (internal) 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