

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

Specification

BAG5 Antibody (internal region) - Product Information

Application	WB
Primary Accession	O9UL15
Other Accession	NP_001015049.1 , NP_001015048.1 , NP_004864.1 , 9529
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

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: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 (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