

BAG5 (N Terminus) Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF2266a**Specification**

BAG5 (N Terminus) Antibody (N-Term) - Product Information

Application	WB, E
Primary Accession	Q9UL15
Other Accession	NP_001015049.1 , NP_004864.1 , NP_001015048.1 , 9529
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	51200

BAG5 (N Terminus) Antibody (N-Term) - 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 (N Terminus) Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

BAG5 (N Terminus) Antibody (N-Term) - 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 (N Terminus) Antibody (N-Term) - 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 (N Terminus) Antibody (N-Term) - Images

AF2266a (2 µg/ml) staining of nuclear HeLa lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

BAG5 (N Terminus) Antibody (N-Term) - Background

Variants (NP_004864.1; NP_001015048.1) encode the same isoform.

BAG5 (N Terminus) Antibody (N-Term) - References

An evolutionarily conserved family of Hsp70/Hsc70 molecular chaperone regulators. Takayama S, Xie Z, Reed JC. J Biol Chem. 1999 Jan 8;274(2):781-6. PMID: 9873016