

BAG3 / BAG-3 Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS13069**Specification**

BAG3 / BAG-3 Antibody (C-Terminus) - Product Information

Application	WB, IHC-P, E
Primary Accession	O95817
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	62kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

BAG3 / BAG-3 Antibody (C-Terminus) - Additional Information**Gene ID** 9531**Other Names**

BAG family molecular chaperone regulator 3, BAG-3, Bcl-2-associated athanogene 3, Bcl-2-binding protein Bis, Docking protein CAIR-1, BAG3, BIS

Target/Specificity

Human BAG3.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

BAG3 / BAG-3 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

BAG3 / BAG-3 Antibody (C-Terminus) - Protein Information**Name** BAG3**Synonyms** BIS**Function**

Co-chaperone and adapter protein that connects different classes of molecular chaperones including heat shock proteins 70 (HSP70s), e.g. HSPA1A/HSP70 or HSPA8/HSC70, and small heat shock proteins (sHSPs), e.g. HSPB8 (PubMed:27884606, PubMed:30559338). Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from HSP70s, thereby triggering client protein release (PubMed:27884606, PubMed:30559338).

href="http://www.uniprot.org/citations/30559338" target="_blank">30559338). Nucleotide release is mediated via BAG3 binding to the nucleotide-binding domain (NBD) of HSP70s, whereas client release is mediated via binding to the substrate-binding domain (SBD) (PubMed:27474739, PubMed:9873016). Has anti-apoptotic activity (PubMed:10597216). Plays a role in the HSF1 nucleocytoplasmic transport (PubMed:26159920).

Cellular Location

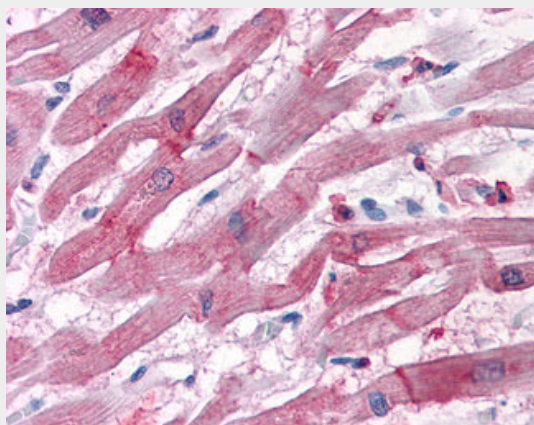
Nucleus. Cytoplasm. Note=Colocalizes with HSF1 to the nucleus upon heat stress (PubMed:26159920)

BAG3 / BAG-3 Antibody (C-Terminus) - Protocols

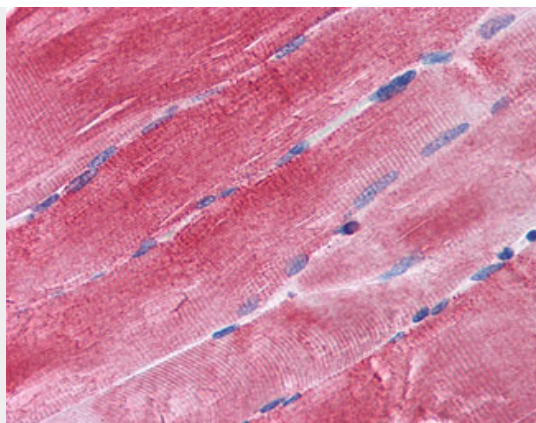
Provided below are standard protocols that you may find useful for product applications.

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

BAG3 / BAG-3 Antibody (C-Terminus) - Images



Anti-BAG3 antibody IHC of human heart.



Anti-BAG3 antibody IHC of human skeletal muscle.

BAG3 / BAG-3 Antibody (C-Terminus) - Background

Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release. Has anti-apoptotic activity.

BAG3 / BAG-3 Antibody (C-Terminus) - References

- Takayama S.,et al.J. Biol. Chem. 274:781-786(1999).
Lee J.H.,et al.Oncogene 18:6183-6190(1999).
Doong H.,et al.Oncogene 19:4385-4395(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).