

**BAG3 / BIS/ CAIR1 Antibody (C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF2265a

**Specification**

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**BAG3 / BIS/ CAIR1 Antibody (C-Term) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">O95817</a>
Other Accession	<a href="#">NP_004272.2</a> , <a href="#">9531</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	61595

**BAG3 / BIS/ CAIR1 Antibody (C-Term) - 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

**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**

BAG3 / BIS/ CAIR1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**BAG3 / BIS/ CAIR1 Antibody (C-Term) - Protein Information**

Name BAG3

Synonyms BIS

**Function**

Co-chaperone for HSP70 and HSC70 chaperone proteins. Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from the HSP70 and HSC70 proteins thereby triggering client/substrate protein release. Nucleotide release is mediated via its binding to the nucleotide-binding domain (NBD) of HSPA8/HSC70 where as the substrate release is mediated via its binding to the substrate-binding domain (SBD) of HSPA8/HSC70 (PubMed:<a

<http://www.uniprot.org/citations/27474739>, PubMed: <http://www.uniprot.org/citations/9873016>). Has anti-apoptotic activity (PubMed: <http://www.uniprot.org/citations/10597216>). Plays a role in the HSF1 nucleocytoplasmic transport (PubMed: <http://www.uniprot.org/citations/26159920>).

#### Cellular Location

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

#### BAG3 / BIS/ CAIR1 Antibody (C-Term) - Protocols

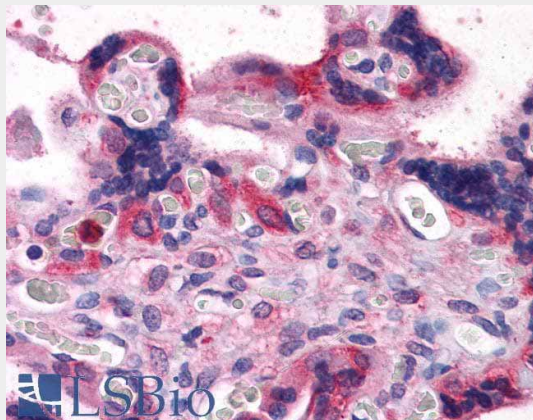
Provided below are standard protocols that you may find useful for product applications.

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

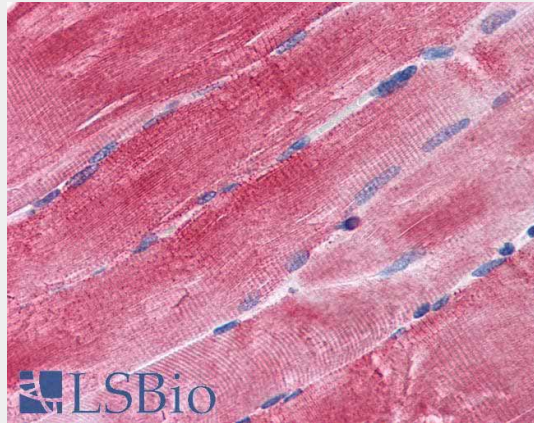
#### BAG3 / BIS/ CAIR1 Antibody (C-Term) - Images



AF2265a (0.1 µg/ml) staining of Human Skeletal Muscle lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF2265a (3.75  $\mu\text{g/ml}$ ) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AF2265a (3.75  $\mu\text{g/ml}$ ) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

### **BAG3 / BIS/ CAIR1 Antibody (C-Term) - References**

CAIR-1/BAG-3 forms an EGF-regulated ternary complex with phospholipase C-gamma and Hsp70/Hsc70. Doong H, Price J, Kim YS, Gasbarre C, Probst J, Liotta LA, Blanchette J, Rizzo K, Kohn E. *Oncogene*. 2000 Sep 7;19(38):4385-95. PMID: 10980614