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BAG3 / BIS/ CAIR1 Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF2265a

Specification

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

Application	**WB, IHC**
Primary Accession	O95817
Other Accession	NP_004272.2, 9531
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

href="http://www.uniprot.org/citations/9873016" target="_blank">9873016, PubMed:27474739). 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 / BIS/ CAIR1 Antibody (C-Term) - Protocols

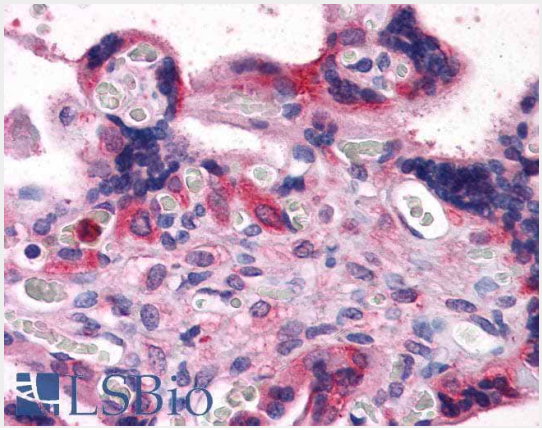
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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

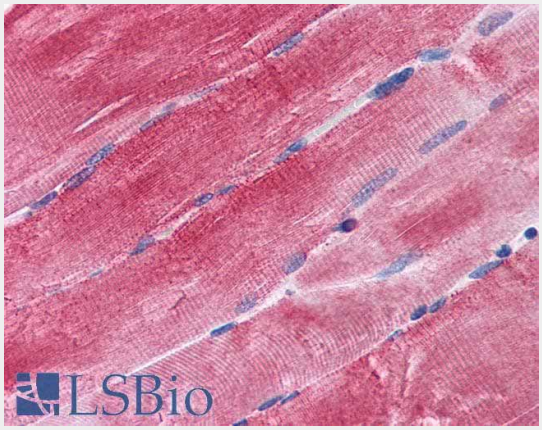


AF2265a (0.1 µg/ml) staining of Human Skeletal Muscle lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



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AF2265a (3.75 µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AF2265a (3.75 µg/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