

**Bag3 Antibody**  
**Rabbit mAb**  
**Catalog # AP91373****Specification****Bag3 Antibody - Product Information**

Application	WB, IHC, IP
Primary Accession	<a href="#">O95817</a>
Clonality	Monoclonal
Other Names	
BAG 3; BAG family molecular chaperone regulator 3; Bag3; Bcl 2 binding protein; Bcl-2-binding protein Bis; BIS; CAIR 1; Docking protein CAIR 1; MFM6;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	61595 Da

**Bag3 Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500 IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Bag3
Description	Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release. Has anti-apoptotic activity.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Bag3 Antibody - 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:<a href="http://www.uniprot.org/citations/27884606" target="\_blank">27884606</a>, PubMed:<a href="http://www.uniprot.org/citations/30559338" target="\_blank">30559338</a>). Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from HSP70s, thereby triggering client protein release (PubMed:<a href="http://www.uniprot.org/citations/27884606" target="\_blank">27884606</a>, PubMed:<a href="http://www.uniprot.org/citations/30559338" target="\_blank">30559338</a>). 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:<a href="http://www.uniprot.org/citations/27474739" target="\_blank">27474739</a>, PubMed:<a href="http://www.uniprot.org/citations/9873016" target="\_blank">9873016</a>). Has anti-apoptotic activity (PubMed:<a href="http://www.uniprot.org/citations/10597216" target="\_blank">10597216</a>). Plays a role in the HSF1 nucleocytoplasmic transport (PubMed:<a href="http://www.uniprot.org/citations/26159920" target="\_blank">26159920</a>).

#### Cellular Location

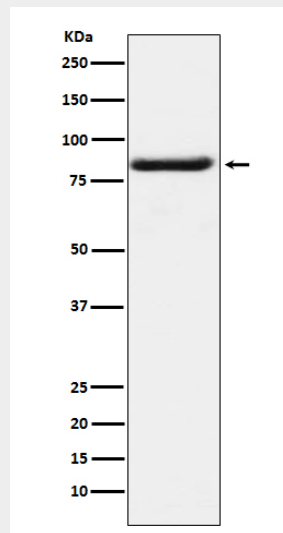
Nucleus. Cytoplasm. Note=Colocalizes with HSF1 to the nucleus upon heat stress (PubMed:26159920)

#### Bag3 Antibody - 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 Antibody - Images



Western blot analysis of Bag3 expression in K562 cell lysate.