

**BAG2 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP14053b****Specification**

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**BAG2 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [O95816](#)**BAG2 Antibody (C-term) Blocking peptide - Additional Information**

Gene ID 9532

**Other Names**

BAG family molecular chaperone regulator 2, BAG-2, Bcl-2-associated athanogene 2, BAG2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP14053b was selected from the C-term region of BAG2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**BAG2 Antibody (C-term) Blocking peptide - Protein Information**

Name BAG2

**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 (PubMed: [24318877](http://www.uniprot.org/citations/24318877), PubMed: [9873016](http://www.uniprot.org/citations/9873016)).

**BAG2 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**BAG2 Antibody (C-term) Blocking peptide - Images****BAG2 Antibody (C-term) Blocking peptide - Background**

BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote substrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. The predicted BAG2 protein contains 211 amino acids. The BAG domains of BAG1, BAG2, and BAG3 interact specifically with the Hsc70 ATPase domain in vitro and in mammalian cells. All 3 proteins bind with high affinity to the ATPase domain of Hsc70 and inhibit its chaperone activity in a Hip-repressible manner. [provided by RefSeq].

**BAG2 Antibody (C-term) Blocking peptide - References**

Arndt, V., et al. Mol. Biol. Cell 16(12):5891-5900(2005) Dai, Q., et al. J. Biol. Chem. 280(46):38673-38681(2005) Ueda, K., et al. J. Biol. Chem. 279(40):41815-41821(2004) Ueda, K., et al. J. Biol. Chem. 279(40):41815-41821(2004) Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)