

BAG4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16332b**Specification**

BAG4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [O95429](#)

BAG4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 9530

Other Names

BAG family molecular chaperone regulator 4, BAG-4, Bcl-2-associated athanogene 4, Silencer of death domains, BAG4, SODD

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.

BAG4 Antibody (C-term) Blocking Peptide - Protein Information

Name BAG4

Synonyms SODD

Function

Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release (By similarity). Prevents constitutive TNFRSF1A signaling. Negative regulator of PRKN translocation to damaged mitochondria.

Cellular Location

Cytoplasm.

Tissue Location

Ubiquitous.

BAG4 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

BAG4 Antibody (C-term) Blocking Peptide - Images

BAG4 Antibody (C-term) Blocking Peptide - Background

BAG4 is a member of the BAG1-related protein family. BAG1 is an anti-apoptotic protein that functions through interactions with a variety of cell apoptosis and growth related proteins including BCL-2, Raf-protein kinase, steroid hormone receptors, growth factor receptors and members of the heat shock protein 70 kDa family. This protein contains a BAG domain near the C-terminus, which could bind and inhibit the chaperone activity of Hsc70/Hsp70. This protein was found to be associated with the death domain of tumor necrosis factor receptor type 1 (TNF-R1) and death receptor-3 (DR3), and thereby negatively regulates downstream cell death signaling. The regulatory role of this protein in cell death was demonstrated in epithelial cells which undergo apoptosis while integrin mediated matrix contacts are lost.

BAG4 Antibody (C-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Tao, H.F., et al. Zhongguo Shi Yan Xue Ye Xue Za Zhi 15(3):501-505(2007) Riley, B.M., et al. Am. J. Med. Genet. A 143A (8), 846-852 (2007) : Yang, Z.Q., et al. Cancer Res. 66(24):11632-11643(2006)