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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 theBAG1-related protein family. BAG1 is an anti-apoptotic protein thatfunctions through interactions with a variety of cell apoptosis andgrowth related proteins including BCL-2, Raf-protein kinase,steroid hormone receptors, growth factor receptors and members ofthe heat shock protein 70 kDa family. This protein contains a BAGdomain near the C-terminus, which could bind and inhibit thechaperone activity of Hsc70/Hsp70. This protein was found to beassociated with the death domain of tumor necrosis factor receptortype 1 (TNF-R1) and death receptor-3 (DR3), and thereby negativelyregulates downstream cell death signaling. The regulatory role ofthis protein in cell death was demonstrated in epithelial cellswhich undergo apoptosis while integrin mediated matrix contacts arelost.

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)