

AP50336PU-N

Polyclonal Antibody to BAG4 (C-term) - Aff - Purified

Alternate names:	BAG family molecular chaperone regulator 4, BAG-4, Bcl-2-associated athanogene 4, SODD, Silencer of death domains
Quantity:	0.4 ml
Concentration:	lot specific
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.
Uniprot ID:	O95429
NCBI:	NP_004865
GeneID:	9530
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 380-409 amino acids from the C-terminal region of human BAG4
Format:	State: Liquid purified Ig fraction Purification: Affinity chromatography on Protein A Buffer System: PBS containing 0.09% (W/V) sodium azide as preservative
Applications:	ELISA: 1/1000. Western blotting: 1/100 - 1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to BAG4.
Species Reactivity:	Tested: Human.
Add. Information:	Molecular Weight: 49594 Da
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Bailey, S.D., et al. Diabetes Care (2010) 2. Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) 3. Tao, H.F., et al. Zhongguo Shi Yan Xue Ye Xue Za Zhi 15(3):501-505(2007) 4. Riley, B.M., et al. Am. J. Med. Genet. A 143A (8), 846-852 (2007)

5. Yang, Z.Q., et al. Cancer Res. 66(24):11632-11643(2006)

Pictures:

BAG4 Antibody (C-term) (Cat. #AP50336PU-N) western blot analysis in Hela cell line lysates (35µg/lane). This demonstrates the BAG4 antibody detected the BAG4 protein (arrow).

