Product Name: Bag-4 Rabbit Polyclonal Antibody
Catalog #: APRab07442

Summary

Production Name	Bag-4 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	BAG4
Alternative Names	BAG4; SODD; BAG family molecular chaperone regulator 4; BAG-4; Bcl-2-associated athanogene 4; Silencer of death domains
Gene ID	9530.0
SwissProt ID	O95429.Synthesized peptide derived from the C-terminal region of human Bag-4.

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:40000
Molecular Weight	50kD

Background

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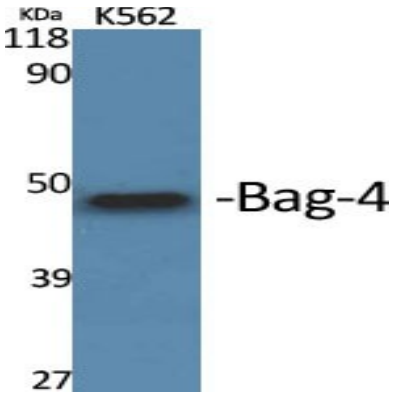
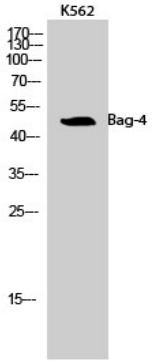
The protein encoded by this gene is a member of the BAG1-related protein family. BAG1 is an anti-apoptotic protein that functions through interactions with a variety of cell apoptosis and growth related proteins including BCL-2, Raf-protein kinase, steroid hormone receptors, growth factor receptors and 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. Alternatively spliced transcript variants encoding distinctfunction:Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release (By similarity). Prevents constitutive TNFRSF1A signaling.,similarity:Contains 1 BAG domain.,subunit:Binds to the ATPase domain of HSP70/HSC chaperones. Binds to the death domain of TNFRSF1A in the absence of TNF and thereby prevents binding of adapter molecules such as TRADD or TRAF2. Binds to the death domain of TNFRSF12.,tissue specificity:Ubiquitous.,

Research Area

Image Data



Western Blot analysis of various cells using Bag-4 Polyclonal Antibody



Western Blot analysis of K562 cells using Bag-4 Polyclonal Antibody

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Note

For research use only.