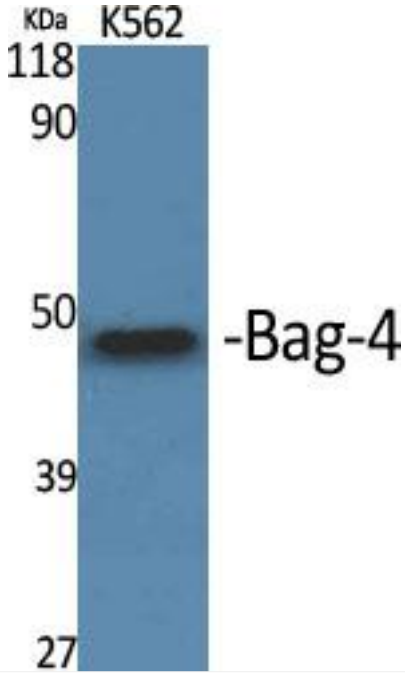
Bag-4 Monoclonal Antibody

Catalog No	YP-mAb-00310
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	BAG4
Protein Name	BAG family molecular chaperone regulator 4
Immunogen	Synthesized peptide derived from the C-terminal region of human Bag-4.
Specificity	Bag-4 Monoclonal Antibody detects endogenous levels of Bag-4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BAG4; SODD; BAG family molecular chaperone regulator 4; BAG-4; Bcl-2-associated athanogene 4; Silencer of death domains
Observed Band	50kD
Cell Pathway	Cytoplasm.
Tissue Specificity	Ubiquitous.
Function	function: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.,
Background	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 distinct
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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