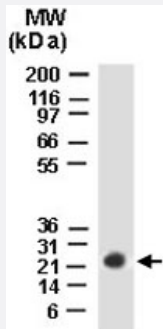


# BAG2 polyclonal antibody

Catalog # PAB0329 Size 50 uL

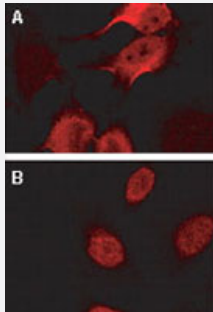
## Applications



### Western Blot (Transfected lysate)

Western blot analysis of BAG2. Using BAG2 polyclonal antibody (Cat # PAB0329) at 1 : 2000. HeLa stably transfected Myc-tagged CHIP (carboxyl terminus of Hsp70-interacting protein) were immunoprecipitated with an anti-Myc antibody. Immunocomplexes were resolved by SDS-PAGE followed by western blot analysis of BAG2. This experiment was done to show the colocalization of CHIP and Bag2. Please refer to Dai et al (2005) for additional information on HeLa cells stably transfected with Myc-CHIP.

### Immunofluorescence



Immunofluorescence confocal microscopy of BAG2. Using BAG2 polyclonal antibody (Cat # PAB0329) at 1 : 2000. HeLa cells stably transfected with Myc-CHIP (carboxyl terminus of Hsp70-interacting protein) and growing on coverslips were left untreated (A) or heat shocked at 42 degrees for 30 min (B). Cells were fixed with 3.7% paraformaldehyde, permeabilized with 0.5% Triton X-100 prior to antibody staining. BAG2 localized to the cytoplasm of untreated cells, and to the nucleus of cells subjected to heat shock. Please refer to Dai et al (2005) for additional information on HeLa cells stably transfected with Myc-CHIP.

## Specification

Product Description	Rabbit polyclonal antibody raised against full length recombinant BAG2.
Immunogen	Recombinant protein corresponding to full length human BAG2.
Host	Rabbit
Reactivity	Human

Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In serum (0.05% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Transfected lysate)

Western blot analysis of BAG2. Using BAG2 polyclonal antibody (Cat # PAB0329) at 1 : 2000. HeLa stably transfected Myc-tagged CHIP (carboxyl terminus of Hsp70-interacting protein) were immunoprecipitated with an anti-Myc antibody. Immunocomplexes were resolved by SDS-PAGE followed by western blot analysis of BAG2. This experiment was done to show the colocalization of CHIP and Bag2. Please refer to Dai et al (2005) for additional information on HeLa cells stably transfected with Myc-CHIP.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence confocal microscopy of BAG2. Using BAG2 polyclonal antibody (Cat # PAB0329) at 1 : 2000. HeLa cells stably transfected with Myc-CHIP (carboxyl terminus of Hsp70-interacting protein) and growing on coverslips were left untreated (A) or heat shocked at 42 degrees for 30 min (B) . Cells were fixed with 3.7% paraformaldehyde, permeabilized with 0.5% Triton X-100 prior to antibody staining. BAG2 localized to the cytoplasm of untreated cells, and to the nucleus of cells subjected to heat shock. Please refer to Dai et al (2005) for additional information on HeLa cells stably transfected with Myc-CHIP.

- Immunoprecipitation

## Gene Info — BAG2

Entrez GeneID	<a href="#">9532</a>
Gene Name	BAG2
Gene Alias	BAG-2, KIAA0576, MGC149462, dJ41711.2

Gene Description	BCL2-associated athanogene 2
Omim ID	<a href="#">603882</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote substrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. The predicted BAG2 protein contains 211 amino acids. The BAG domains of BAG1, BAG2, and BAG3 interact specifically with the Hsc70 ATPase domain in vitro and in mammalian cells. All 3 proteins bind with high affinity to the ATPase domain of Hsc70 and inhibit its chaperone activity in a Hip-repressible manner. [provided by RefSeq]
Other Designations	BAG-family molecular chaperone regulator-2 OTTHUMP00000016668 dJ4171.2 (BAG-family molecular chaperone regulator 2)

## Publication Reference

- [Regulation of the cytoplasmic quality control protein degradation pathway by BAG2.](#)

Dai Q, Qian SB, Li HH, McDonough H, Borchers C, Huang D, Takayama S, Younger JM, Ren HY, Cyr DM, Patterson C.  
The Journal of Biological Chemistry 2005 Sep; 280(46):38673.