

## Monoclonal anti-human BAG2 antibody (clone AT29E9)

Mouse IgG<sub>2a</sub>, κ

Cat. No. IBATGA0438

**Immunogen:** Recombinant human BAG2 (1-211aa) purified from *E. coli*

**NCBI Accession No.:** NP\_004273

**Isotype:** Mouse IgG<sub>2a</sub> heavy chain and κ light chain

**Clone:** Anti-human BAG2 mAb, clone AT29E9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human BAG2 protein.

**Description:** BCL2-associated athanogene 2, also known as BAG2, is a member of the Bag family of proteins. BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain. BAG2 is a major component of the HSC 70/CHIP chaperone-dependent ubiquitin ligase complex and acts to disrupt CHIP-mediated ubiquitylation.

**Concentration:** 1 mg/ml

**Form:** Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

**Storage:** Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

**Usage:** The antibody has been tested by ELISA, Western blot analysis and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

**Application:** ELISA, WB, ICC/IF

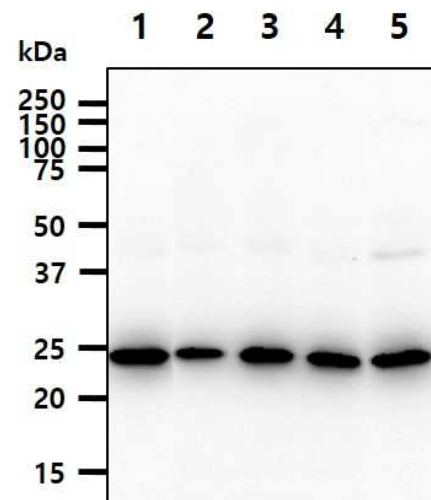
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# Product information

## Western blot analysis

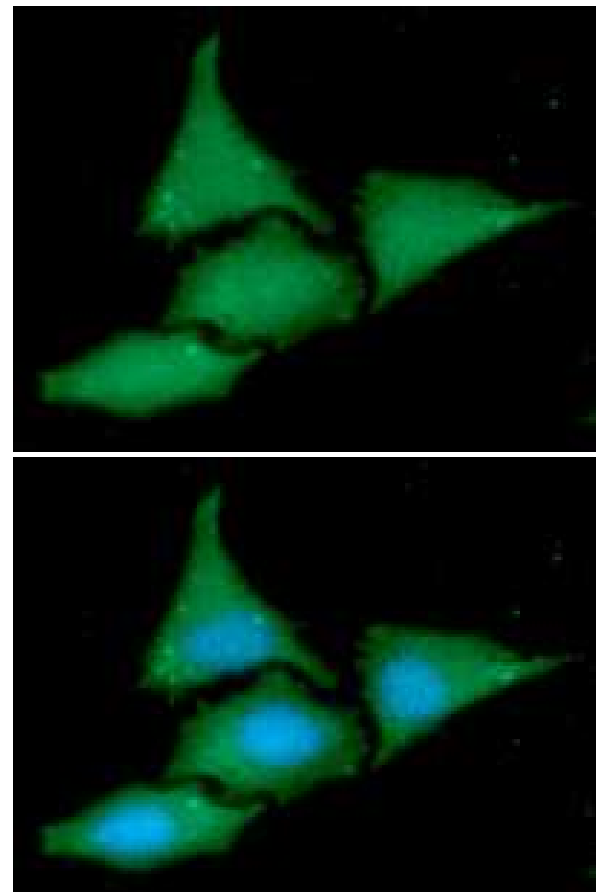
The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human BAG2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: Jurkat cell lysate  
Lane 2.: A549 cell lysate  
Lane 3.: K562 cell lysate  
Lane 4.: HepG2 cell lysate  
Lane 5.: HeLa cell lysate



## ICC/IF analysis

ICC/IF analysis of BAG2 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human BAG2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



**General references:** Takayama S., *et al.* (1999) *J Biol Chem.* **274**: 781-786.  
Arndt V., *et al.* (2005) *CHIP Mol Biol Cell.* **16**: 5891-5900.

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