Human BAG2 antibody

Catalog Number: ATGA0438

PRODUCT INFORMATION

Catalog number
ATGA0438

Clone No.
AT29E9

Product type
Monoclonal Antibody

UnitProt No.
O95816

NCBI Accession No.
NP_004273

Alternative Names
BCL2-associated athanogene 2, BAG-2

PRODUCT SPECIFICATION

Antibody Host
Mouse

Reacts With
Human

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

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

Isotype
IgG2a kappa

Purification Note
By protein-A affinity chromatography

Application
ELISA,WB,ICC/IF

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.

Storage

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

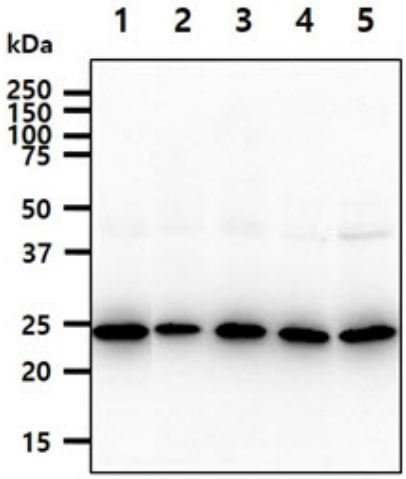
BCL2-associated athanogene 2, also known as BAG2, is a member of the Bag family of proteins. BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain. BAG2 is a major component of the HSC 70/CHIP chaperone-dependent ubiquitin ligase complex and acts to disrupt CHIP-mediated ubiquitylation.

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.

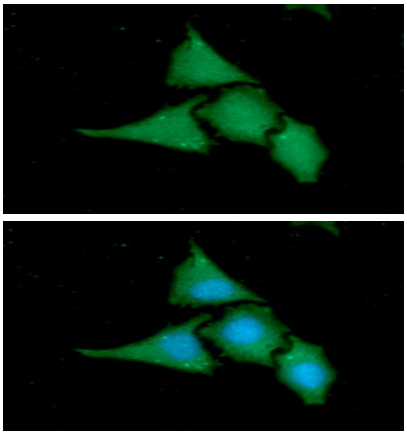
DATA

Western blot analysis (WB)



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

Immunocytochemistry/Immunofluorescence (ICC/IF)



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).