

Product Name: KD-Validated BAG1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01640**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 38.8kDa

Antigen Information

Gene Name	BAG1 BAG1; BAG Cochaperone 1; BAG Family Molecular Chaperone Regulator 1; BCL2 Associated Athanogene 1; BAG-1; HAP; Glucocortoid Receptor-Associated Protein RAP46; Bcl-2
Alternative Names	Associating Athanogene-1 Protein; Receptor-Associated Protein, 46-K; Bcl-2-Associated Athanogene 1; BCL2 Associated Athanogene; BCL2-Associated Athanogene; Bcl-2-Binding Protein; RAP46
Gene ID	573.0
SwissProt ID	Q99933
Immunogen	A synthesized peptide derived from Bag1

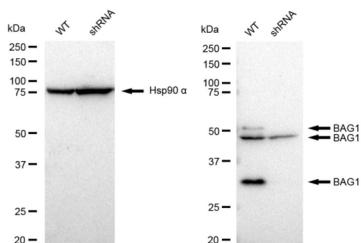
Background

The oncogene BCL2 is a membrane protein that blocks a step in a pathway leading to apoptosis or programmed cell death. The protein encoded by this gene binds to BCL2 and is referred to as BCL2-associated athanogene. It enhances the anti-apoptotic effects of BCL2 and represents a link between growth factor receptors and anti-apoptotic mechanisms. Multiple protein isoforms are encoded by this mRNA through the use of a non-AUG (CUG) initiation codon, and three alternative downstream AUG initiation codons. A related pseudogene has been defined on chromosome X. [provided by RefSeq, Feb 2010]

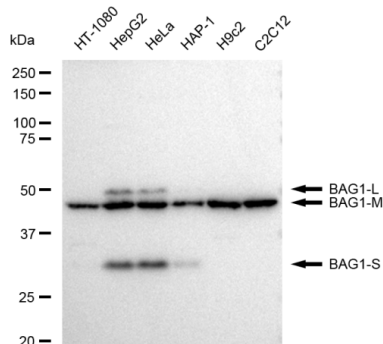
Research Area

Cell Biology,Cancer,Cardiovascular,Metabolism,Cancer

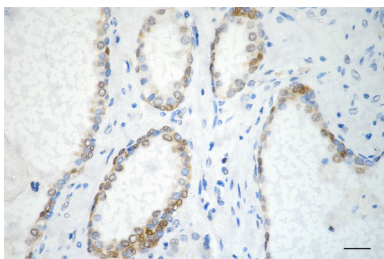
Image Data



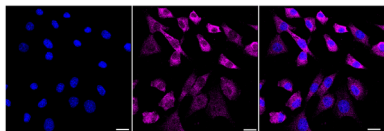
Western blotting analysis using BAG1 antibody (KVA01640). BAG1 expression in wild type (WT) and BAG1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with BAG1 antibody (KVA01640, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



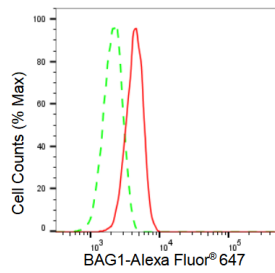
Western blotting analysis using BAG1 antibody (KVA01640). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with BAG1 antibody (KVA01640, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using BAG1 antibody (KVA01640, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of C2C12 cells with BAG1 antibody (KVA01640, 1:1,000). Nuclei were stained blue with DAPI; BAG1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of BAG1 expression in C2C12 cells using BAG1 antibody (KVA01640, 1:2,000). Green, isotype control; red, BAG1.