

Product Name: KD-Validated BAG Cochaperone 3 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00221

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
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
Molecular Weight	Calculated MW: 61.6kDa

Antigen Information

Gene Name	BAG3
Alternative Names	BAG3; BAG Cochaperone 3; BAG Family Molecular Chaperone Regulator 3; BCL2 Associated Athanogene 3; Bcl-2-Binding Protein Bis; Docking Protein CAIR-1; BAG-3; BIS; Bcl-2-Binding Protein BIS Transcript 2; Bcl-2-Associated Athanogene 3; BCL2-Binding Athanogene 3; CAIR-1; MFM6
Gene ID	9531.0
SwissProt ID	O95817
Immunogen	A synthesized peptide derived from human Bag3

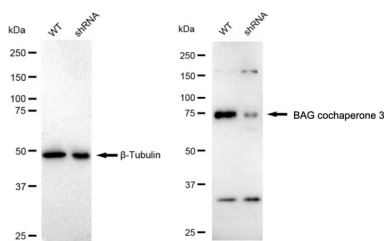
Background

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 protein encoded by this gene contains a WW domain in the N-terminal region and a BAG domain in the C-terminal region. 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, Jul 2008]

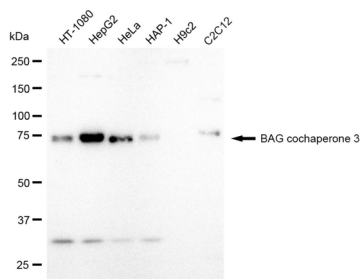
Research Area

Cell Biology,Cancer,Metabolism

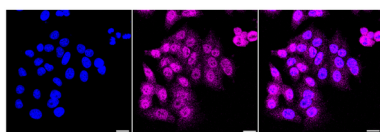
Image Data



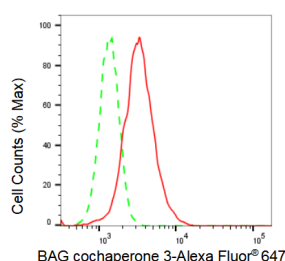
Western blotting analysis using BAG cochaperone 3 antibody (KVA00221). BAG cochaperone 3 expression in wild type (WT) and BAG cochaperone 3 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with BAG cochaperone 3 antibody (KVA00221, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using BAG cochaperone 3 antibody (KVA00221). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with BAG cochaperone 3 antibody (KVA00221, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with BAG cochaperone 3 antibody (KVA00221, 1:1,000). Nuclei were stained blue with DAPI; BAG cochaperone 3 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 BAG cochaperone 3 expression in HepG2 cells using BAG cochaperone 3 antibody (KVA00221, 1:2,000). Green, isotype control; red, BAG cochaperone 3.