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KD-Validated Anti-BAG cochaperone 3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI2344

Product Information

Application	WB, FC, ICC
Primary Accession	O95817
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB1520
Calculated MW	61595
Gene Name	BAG3
Aliases	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
Immunogen	A synthesized peptide derived from human Bag3

Additional Information

Gene ID	9531
Other Names	BAG family molecular chaperone regulator 3, BAG-3, Bcl-2-associated athanogene 3, Bcl-2-binding protein Bis, Docking protein CAIR-1, BAG3, BIS

Protein Information

Name	BAG3
Synonyms	BIS
Function	Co-chaperone and adapter protein that connects different classes of molecular chaperones including heat shock proteins 70 (HSP70s), e.g. HSPA1A/HSP70 or HSPA8/HSC70, and small heat shock proteins (sHSPs), e.g. HSPB8 (PubMed:27884606, PubMed:30559338). Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from HSP70s, thereby triggering client protein release (PubMed:27884606, PubMed:30559338). Nucleotide release is mediated via BAG3 binding to the nucleotide-binding domain (NBD) of HSP70s, whereas client release is mediated via binding to the substrate-binding domain (SBD) (PubMed:27474739, PubMed:9873016). Has anti-apoptotic activity (PubMed:10597216). Plays a role in the HSF1 nucleocytoplasmic transport (PubMed:26159920).

Cellular Location	Nucleus. Cytoplasm. Note=Colocalizes with HSF1 to the nucleus upon heat stress (PubMed:26159920)

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