

ARG43700 anti-BAG3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BAG3
Tested Reactivity	Hu, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BAG3
Species	Human
Immunogen	Recombinant fusion protein corresponding to Human BAG3.
Conjugation	Un-conjugated
Alternate Names	BAG-3; BIS; CAIR-1; Bcl-2-binding protein Bis; BAG family molecular chaperone regulator 3; MFM6; Docking protein CAIR-1; Bcl-2-associated athanogene 3

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	K562	
Observed Size	~ 80 kDa	

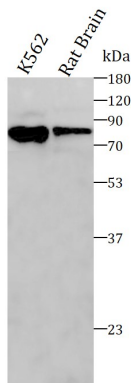
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Concentration	Batch dependent
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	BAG3
Gene Full Name	BCL2-associated athanogene 3
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]
Function	Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release. Has anti-apoptotic activity. [UniProt]
Calculated Mw	62 kDa
PTM	Acetylation; Isopeptide bond; Methylation; Phosphoprotein; Ubl conjugation
Cellular Localization	Nucleus. Cytoplasm. Note=Colocalizes with HSF1 to the nucleus upon heat stress (PubMed:26159920). [UniProt]

Images



ARG43700 anti-BAG3 antibody WB image

Western blot: K562 and Rat brain tissue lysates stained with ARG43700 anti-BAG3 antibody at 1:1000 dilution.