

Anti-BAG5 Antibody

Catalog # ABO11407

Product Information

Application	WB, IHC-P
Primary Accession	Q9UL15
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for BAG family molecular chaperone regulator 5(BAG5) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	9529
Other Names	BAG family molecular chaperone regulator 5, BAG-5, Bcl-2-associated athanogene 5, BAG5, KIAA0873
Calculated MW	51200
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse
Source	Eukaryota
Protein Name	BAG family molecular chaperone regulator 5
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human BAG5(415-429aa QGEEKCKAARKQAVR), different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Contains 5 BAG domains.

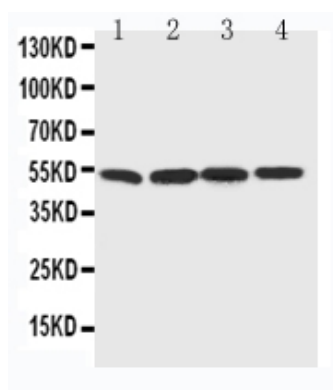
Protein Information

Name	BAG5
Synonyms	KIAA0873
Function	Co-chaperone for HSP/HSP70 proteins. It functions as a nucleotide-exchange factor promoting the release of ADP from HSP70, thereby activating HSP70-mediated protein refolding (PubMed: 20223214). Has an essential role in maintaining proteostasis at junctional membrane complexes (JMC), where it may function as a scaffold between the HSPA8 chaperone and JMC proteins enabling correct, HSPA8-dependent JMC protein folding (By similarity). Inhibits both auto-ubiquitination of PRKN and ubiquitination of target proteins by PRKN (By similarity).
Cellular Location	Note=In cardiomyocytes, localized at specialized membrane contact sites between T-tubules and the sarcoplasmic reticulum, known as junctional membrane complexes {ECO:0000250 UniProtKB:Q8CI32}
Tissue Location	Expressed in the heart.

Background

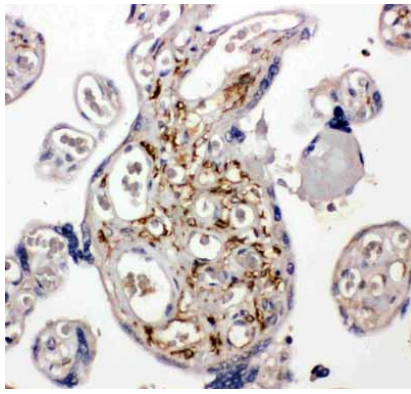
BAG family molecular chaperone regulator 5 is a protein that in humans is encoded by the BAG5 gene. The protein encoded by this gene is a member of the BAG1-related protein family. Bag5 is a negative regulator of both Hsp70 and parkin function that sensitizes dopaminergic neurons to injury-induced death and thus promotes neurodegeneration.

Images



Anti-BAG5 antibody, ABO11407, Western blotting
Lane 1: Rat Thymus Tissue Lysate
Lane 2: Rat Spleen Tissue Lysate
Lane 3: Rat Testis Tissue Lysate
Lane 4: PANC Cell Lysate

Anti-BAG5 antibody, ABO11407, IHC(P)
IHC(P): Human Placenta Tissue



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