

Anti-BAG2 Picoband Antibody

Catalog # ABO12211

Product Information

Application	WB, IHC-P
Primary Accession	O95816
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for BAG family molecular chaperone regulator 2(BAG2) 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	9532
Other Names	BAG family molecular chaperone regulator 2, BAG-2, Bcl-2-associated athanogene 2, BAG2
Calculated MW	23772
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 µg/ml, Human, Rat
Source	Eukaryota
Protein Name	BAG family molecular chaperone regulator 2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E.coli-derived human BAG2 recombinant protein (Position: M1-N211). Human BAG2 shares 93.4% amino acid (aa) sequence identity with mouse BAG2.
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.

Protein Information

Name	BAG2
Function	Co-chaperone for HSP70 and HSC70 chaperone proteins. Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from the HSP70 and HSC70 proteins thereby triggering client/substrate protein release (PubMed: 24318877 , PubMed: 9873016).

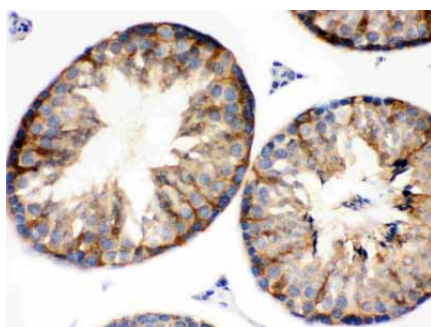
Background

BAG family molecular chaperone regulator 2 is a protein that in humans is encoded by the BAG2 gene. The predicted BAG2 protein contains 211 amino acids. 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. The functional antagonisms displayed between BAG family proteins and Hip suggest that a proper balance of these 2 types of protein is required for achieving optimal cycles of substrate binding and release required for inducing conformational changes in proteins, with Hip promoting peptide substrate binding by Hsc70/Hsp70 and BAG family proteins promoting dissociation.

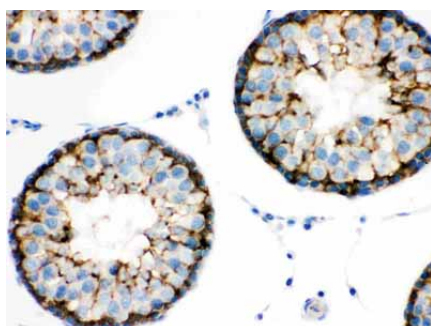
Images



Anti- BAG2 Picoband antibody, ABO12211, Western blotting
All lanes: Anti BAG2 (ABO12211) at 0.5ug/ml
Lane 1: Rat Testis Tissue Lysate at 50ug
Lane 2: HELA Whole Cell Lysate at 40ug
Lane 3: A549 Whole Cell Lysate at 40ug
Predicted bind size: 24KD
Observed bind size: 24KD

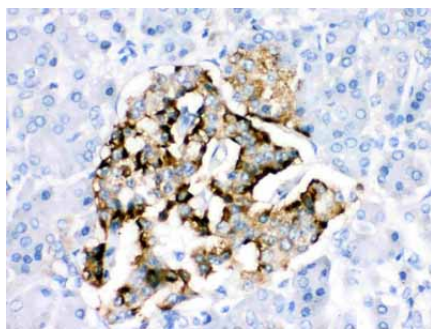


Anti- BAG2 Picoband antibody, ABO12211,IHC(P)
IHC(P): Mouse Testis Tissue



Anti- BAG2 Picoband antibody, ABO12211,IHC(P)
IHC(P): Rat Testis Tissue

Anti- BAG2 Picoband antibody, ABO12211,IHC(P)
IHC(P): Human Pancreatic Cancer Tissue



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