

Anti-BAG2 Picoband Antibody
Catalog # ABO12211**Specification**

Anti-BAG2 Picoband Antibody - 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.

Anti-BAG2 Picoband Antibody - Additional Information

Gene ID 9532

Other Names

BAG family molecular chaperone regulator 2, BAG-2, Bcl-2-associated athanogene 2, BAG2

Calculated MW

23772 MW KDa

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

Protein Name

BAG family molecular chaperone regulator 2

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

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 r°Constitution,

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.

Anti-BAG2 Picoband Antibody - Protein Information

Name BAG2

Function

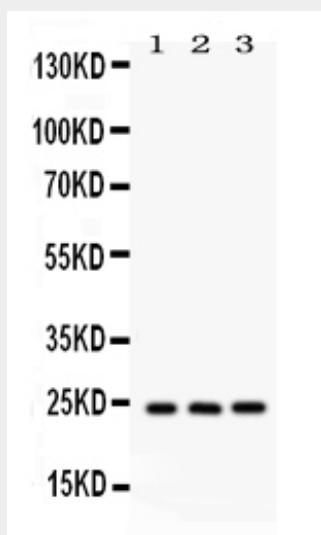
Co-chaperone for HSP70 and HSC70 chaperone proteins. Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from the HSP70 and HSC70 proteins thereby triggering client/substrate protein release (PubMed: [24318877](http://www.uniprot.org/citations/24318877) target="_blank">24318877, PubMed: [9873016](http://www.uniprot.org/citations/9873016) target="_blank">9873016).

Anti-BAG2 Picoband Antibody - Protocols

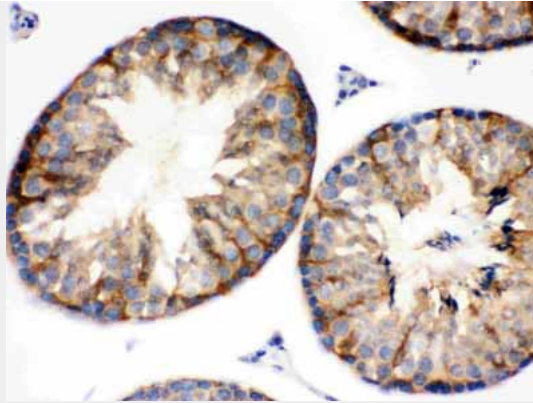
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

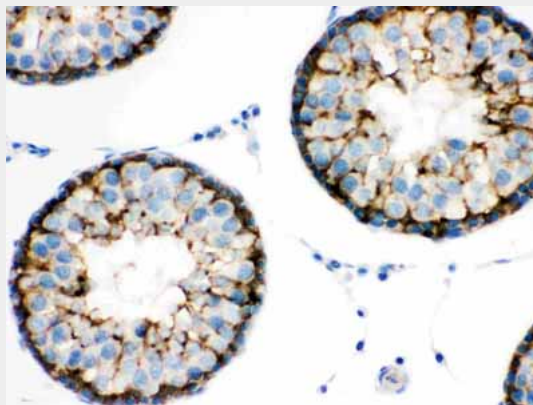
Anti-BAG2 Picoband Antibody - Images



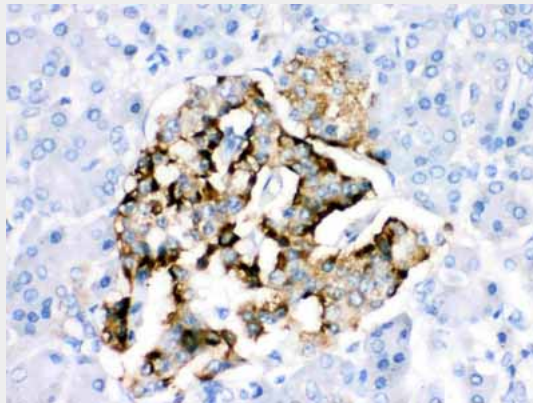
Anti- BAG2 Picoband antibody, ABO12211, Western blotting All lanes: Anti BAG2 (ABO12211) at 0.5ug/ml Lane 1: Rat Testis Tissue Lysate at 50ug Lane 2: HELA Whole Cell Lysate at 40ug Lane 3: A549 Whole Cell Lysate at 40ug Predicted bind size: 24KD Observed bind size: 24KD



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

Anti-BAG2 Picoband Antibody - 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.