

BAG2 Antibody (R31849)

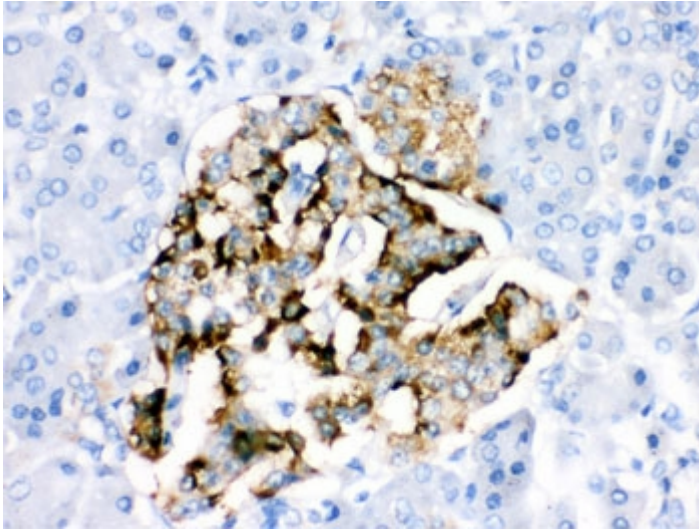
Catalog No.	Formulation	Size
R31849	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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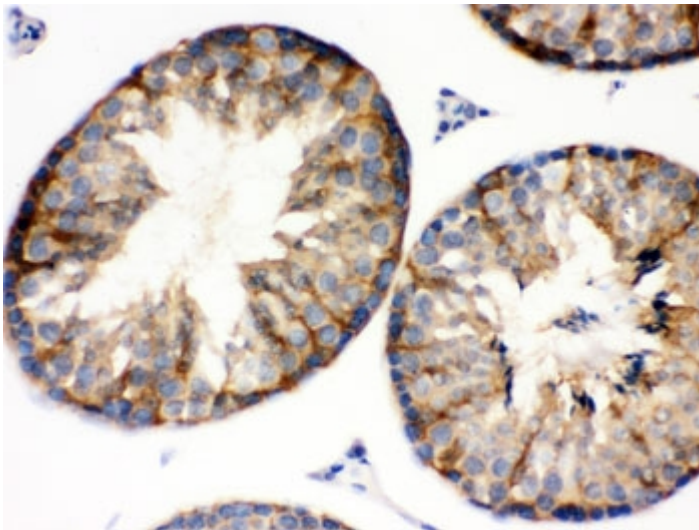
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	O95816
Localization	Cytoplasmic
Applications	Western blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This BAG2 antibody is available for research use only.



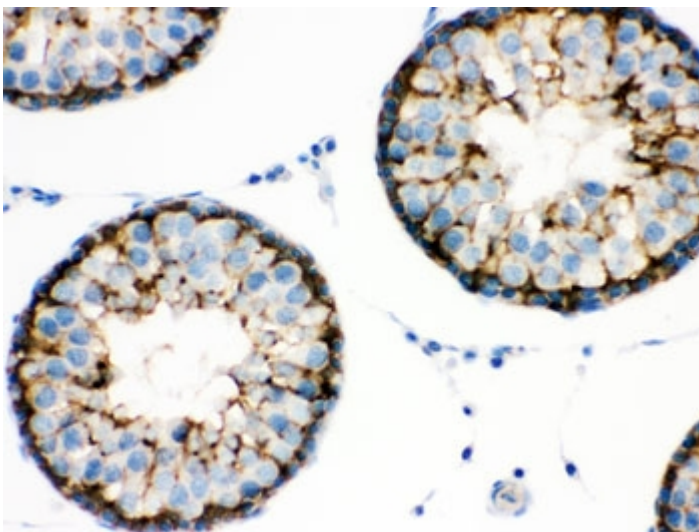
Western blot testing of 1) rat testis, 2) human HeLa and 3) A549 lysate with BAG2 antibody.
Predicted/observed molecular weight: ~22 kDa.



IHC testing of human pancreatic cancer tissue with BAG2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of mouse testis with BAG2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of rat testis with BAG2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

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.

Application Notes

Optimal dilution of the BAG2 antibody should be determined by the researcher.

Immunogen

Amino acids 1-211 of human BAG2 were used as the immunogen for the BAG2 antibody.

Storage

After reconstitution, the BAG2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.