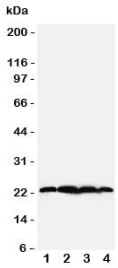
BAG2 Antibody (R31211)

Catalog No.	Formulation	Size
R31211	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

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



Western blot testing of BAG2 antibody; Lane 1: rat testis; 2: HeLa; 3: A549; 4: A431 cell lysate. Predicted/observed molecular weight: ~22kDa.

Description

BAG family molecular chaperone regulator 2 is a protein that in humans is encoded by the BAG2 gene. The predicted 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 three 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 two types of protein is required for achieving optimal cycles of substrate binding and release required for inducting conformational changes in proteins, with Hip promoting peptide substrate binding by Hsc70/Hsp70 and BAG family proteins promoting dissociation.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the BAG2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human BAG family molecular chaperone regulator 2 (MAQAKINAKANEGR) was used as the immunogen for this BAG2 antibody.

Storage

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