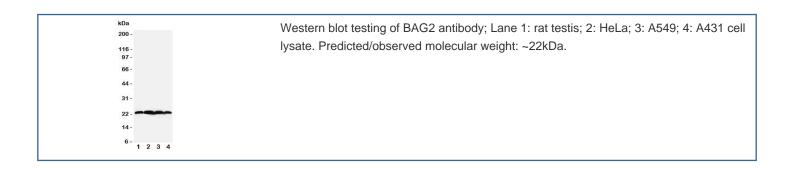


# **BAG2 Antibody (R31211)**

| 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  |
| 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.                   |



# **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.