

Datasheet for ABIN3030137
anti-BAG2 antibody (N-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	BAG2
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAG2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

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.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	BAG2
Alternative Name:	BAG2 (BAG2 Products)
Background:	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.

Target Details

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 inducing conformational changes in proteins, with Hip promoting peptide substrate binding by Hsc70/Hsp70 and BAG family proteins promoting dissociation.

UniProt: [O95816](#)

Application Details

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.\.
Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

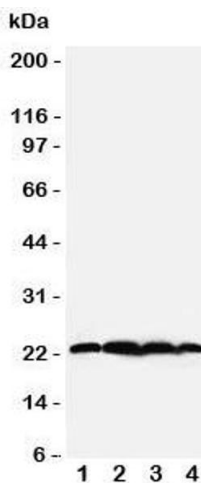
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

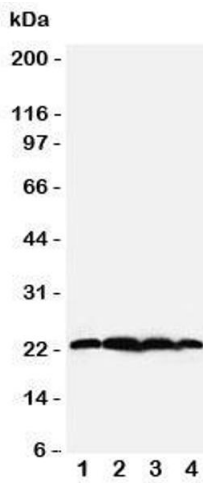
Storage Comment: After reconstitution, the BAG2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

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



Western Blotting

Image 2. Western blot testing of BAG2 antibody