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# Product datasheet for TA346375

## BAG2 Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | IHC, WB |
| **Recommended Dilution:** | WB, IHC |
| **Reactivity:** | Human |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | The immunogen for anti-BAG2 antibody: synthetic peptide directed towards the C terminal of human BAG2. Synthetic peptide located within the following region: VDQKFQSIVIGCALEDQKKIKRRLETLLRNIENSDKAIKLLEHSKGAGSK |
| **Formulation:** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br>*Note that this product is shipped as lyophilized powder to China customers.* |
| **Purification:** | Protein A Purified |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 23 kDa |
| **Gene Name:** | BCL2 associated athanogene 2 |
| **Database Link:** | NP_004273<br>Entrez Gene 9532 Human<br>O95816 |

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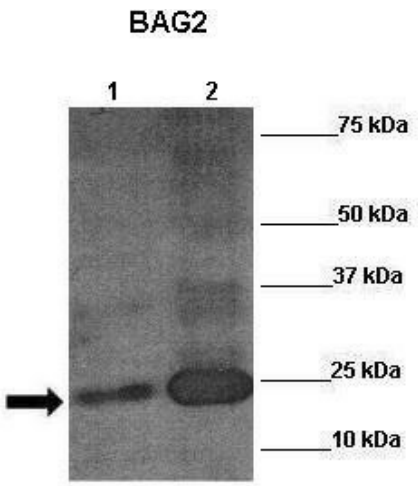
**Background:** BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote substrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. The predicted BAG2 protein contains 211 amino 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.BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote substrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. 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.

**Synonyms:** BAG-2; dJ417I1.2

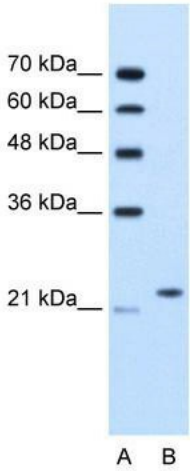
**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%

**Protein Families:** Druggable Genome

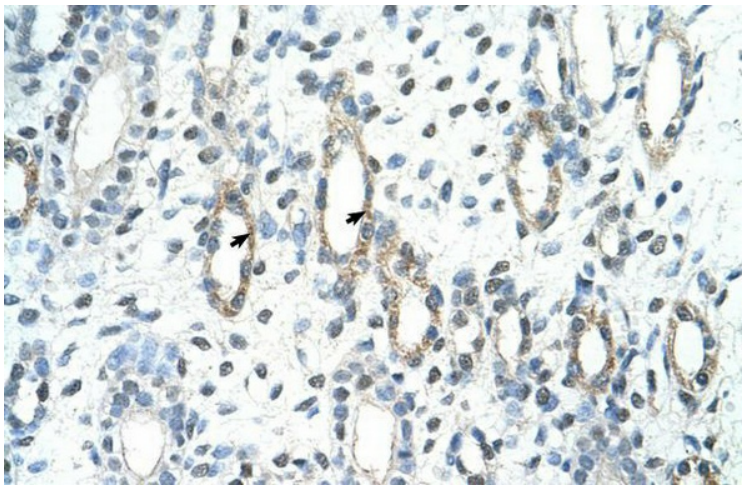
## Product images:




Sample Type: Lane 1: 20ug untransfected human Saos2 cells Lane 2: 20ug siRUVBL transfected human Saos2 cells Primary Antibody Dilution: 1: 1000 Secondary Antibody: Anti-rabbit-HRP Secondary Antibody Dilution: 1: 3000 Color/Signal Descriptions: BAG2 Gene Name: Wenwei Hu, Xuetian Yue, Rutgers Cancer Institute of New Jersey. Submitted by:




WB Suggested Anti-BAG2 Antibody Titration: 1.25 ug/ml; Positive Control: Jurkat cell lysate; BAG2 is supported by BioGPS gene expression data to be expressed in Jurkat



Rabbit Anti-BAG2 Antibody; Paraffin Embedded Tissue: Human Kidney; Cellular Data: Epithelial cells of renal tubule; Antibody Concentration: 4.0-8.0 ug/ml; Magnification: 400X