# Bag-3 Polyclonal Antibody

## Description

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|---|---|
| **Product type** | Primary Antibody |
| **Code** | BT-AP00818 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Size** | 20ul, 50ul, 100ul |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human BAG3. AA range:411-460 |
| **Mol wt** | 61595 |
| **Species reactivity** | Human, Mouse, Rat |
| **Clonality** | Polyclonal |
| **Recommended application** | WB, IHC-p, ELISA |
| **Concentration** | 1 mg/ml |
| **Full name** | Bag-3 Antibody |
| **Synonyms** | BAG3; BIS; BAG family molecular chaperone regulator 3; BAG-3; Bcl-2-associated athanogene 3; Bcl-2-binding protein Bis; Docking protein CAIR-1 |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

## 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 protein encoded by BAG3 (BCL2 associated athanogene 3) contains a WW domain in the N-terminal region and a BAG domain in the C-terminal region. 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.

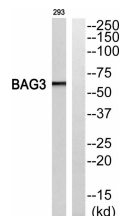## Recommended Dilution

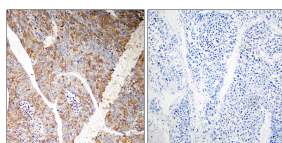WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

ELISA: 1: 40000

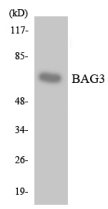Not yet tested in other applications.

## Images



Western blot analysis of BAG3 Antibody. The lane on the right is blocked with the BAG3 peptide.



Immunohistochemistryt analysis of paraffin-embedded human liver carcinoma, using BAG3 Antibody. The lane on the right is blocked with the BAG3 peptide.

Western blot analysis of the lysates from K562 cells using BAG3 antibody.

## Storage

-20°C for one year