

**Bag-3 rabbit pAb****Cat#: orb770929 (Manual)**

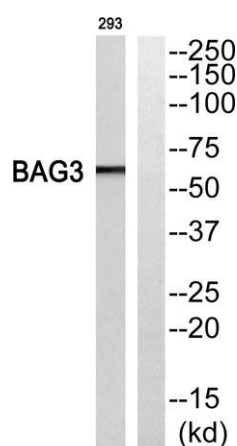
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Bag-3 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human BAG3. AA range:411-460
<b>Specificity</b>	Bag-3 Polyclonal Antibody detects endogenous levels of Bag-3 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	BAG family molecular chaperone regulator 3
<b>Gene Name</b>	BAG3
<b>Cellular localization</b>	Nucleus . Cytoplasm . Colocalizes with HSF1 to the nucleus upon heat stress (PubMed:26159920). .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

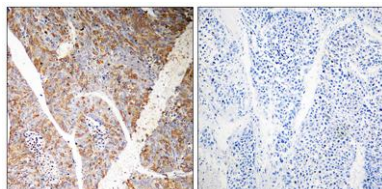
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	80kD
<b>Human Gene ID</b>	9531
<b>Human Swiss-Prot Number</b>	O95817
<b>Alternative Names</b>	BAG3; BIS; BAG family molecular chaperone regulator 3; BAG-3; Bcl-2-associated athanogene 3; Bcl-2-binding protein Bis; Docking protein CAIR-1

### Background

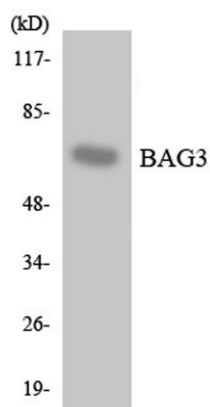
BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote substrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. The protein encoded by this gene contains a WW domain in the 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. [provided by RefSeq, Jul 2008],



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



**Immunohistochemistry 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.**