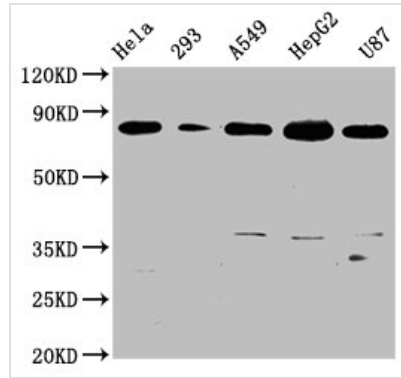




# BAG3 Antibody

<b>Product Code</b>	CSB-RA002531A0HU
<b>Abbreviation</b>	BAG family molecular chaperone regulator 3
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	O95817
<b>Immunogen</b>	A synthesized peptide derived from human BAG3
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200
<b>Relevance</b>	Co-chaperone for HSP70 and HSC70 chaperone proteins. Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from the HSP70 and HSC70 proteins thereby triggering client/substrate protein release. Nucleotide release is mediated via its binding to the nucleotide-binding domain (NBD) of HSPA8/HSC70 where as the substrate release is mediated via its binding to the substrate-binding domain (SBD) of HSPA8/HSC70 (PubMed:9873016, PubMed:27474739). Has anti-apoptotic activity (PubMed:10597216). Plays a role in the HSF1 nucleocytoplasmic transport (PubMed:26159920).
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Alias</b>	BAG family molecular chaperone regulator 3, BAG-3, Bcl-2-associated athanogene 3, Bcl-2-binding protein Bis, Docking protein CAIR-1, BAG3, BIS
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Cell Biology
<b>Gene Names</b>	BAG3
<b>Accession NO.</b>	3D8

Image


**Western Blot**

Positive WB detected in: HeLa whole cell lysate, 293 whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate, U87 whole cell lysate

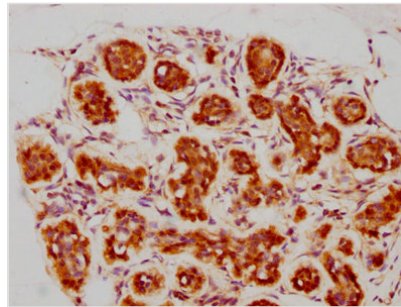
All lanes: BAG3 antibody at 0.73μg/ml

**Secondary**

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 62 KDa

Observed band size: 80 KDa



IHC image of CSB-RA002531A0HU diluted at 1:73.75 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

**Description**

CUSABIO's product CSB-RA002531A0HU is a BAG3 recombinant monoclonal antibody. Clone the gene fragment encoding human BAG3 protein into the expression vector and subsequently transfect clones into the cell line for in vitro expression. This BAG3 recombinant antibody can detect the endogenous content of the human BAG3 protein. It is purified by the affinity chromatography method. And it has passed through quality testing in ELISA, WB, and IHC applications.

BAG3 is involved in the regulation of various cellular processes, such as apoptosis, development, cytoskeleton arrangement, and selective macroautophagy. It, therefore, plays a decisive role in the development of widespread diseases, including cancer, myopathies, and age-related neurodegenerative disorders.