

Rabbit anti-Human, Mouse BAG1 Polyclonal Antibody | anti-BAG1 antibody

BAG1 Polyclonal Antibody

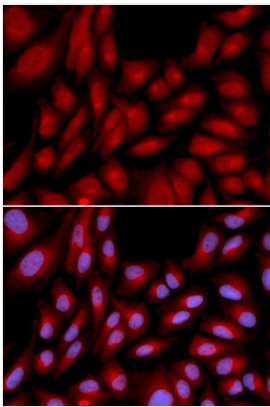
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10702	Rabbit	Human, Mouse	Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

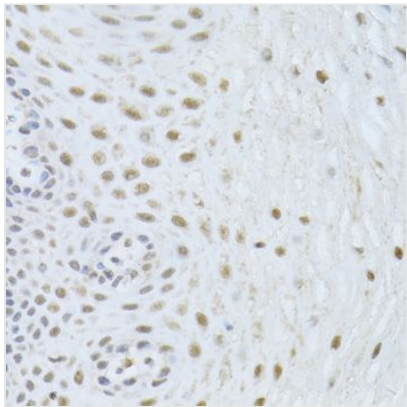
BAG1; Polyclonal Antibody; BAG1 Polyclonal Antibody; Bag 1; BAG1S; HAP; BAG1M; BAG1L specific; RAP46; anti-BAG1 antibody

PRODUCT SPECIFICATIONS

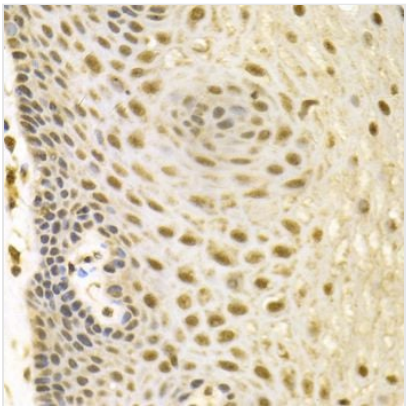
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	345
Applicable Applications for anti-BAG1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF: 1:20 - 1:100
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human BAG1
Calculated Molecular Weight	39kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.



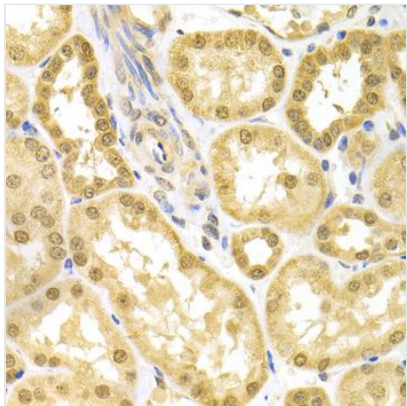
IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cells using BAG1 antibody. Blue: DAPI for nuclear staining.



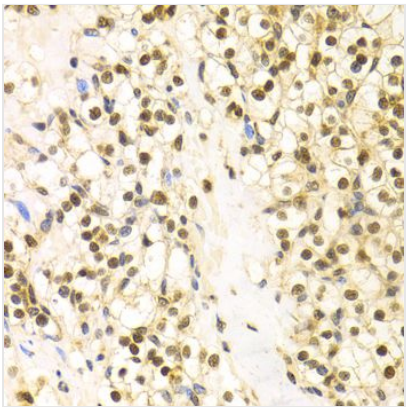
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human esophagus using BAG1 Antibody at dilution of 1:100 (40x lens).



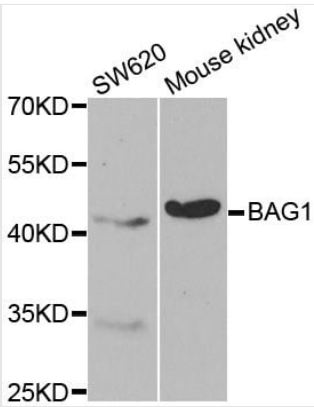
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human esophageal cancer using BAG1 Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human kidney injury using BAG1 Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human kidney cancer using BAG1 Antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using BAG1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-BAG1 antibody	Bag1 belongs to the Bcl-2 associated athanogene (BAG) family of multifunctional proteins and was the first of six related proteins isolated from humans (1,2). This widely expressed protein interacts with a number of signaling molecules (including Bcl2, HGF receptor and Raf1) as it regulates signaling molecules in pathways involving cell survival, growth and differentiation. The most common role played by Bag1 protein is as an inhibitor of proteins favoring apoptosis (2-4). Bag1 also plays a role in Raf1 signaling and binds DNA as a transcription activator (4). Bag1 protein is a well-characterized inhibitor of its binding partner HSP70 (5). A conserved carboxy-terminal BAG domain within Bag1 interacts with the ATPase domain of HSP70 to negatively regulate heat shock protein chaperone activity (6,7). The multiple isoforms of Bag1 protein generated from a single transcript share a common ubiquitin homology domain and a carboxy-terminal Hsp70 binding region but differ in length and cellular localization. The 50 kDa long (Bag1-L) isoform also contains a nuclear localization signal and is often found in the nucleus where it activates transcription. The 46 kDa intermediate (Bag1-M) isoform is found mainly in the cytoplasm but can also translocate to the nucleus when associated with other proteins. The shorter 29-33 kDa isoforms (Bag1-S, Bag-1) isoforms are found primarily in the cytoplasm (8). High expression of the anti-apoptotic Bag1 protein correlates with increased survival in patients with particular forms of cancer, leading researchers to study possible therapeutic roles for Bag1 protein (9)
Product Categories/Family for anti-BAG1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	296439462
NCBI GeneID	573
UniProt Accession #	Q99933; O75315; Q14414; Q53H32; Q5VZE8; Q5VZE9; Q5VZF0; Q96TG2; Q9Y2V4
Molecular Weight	345
NCBI Official Full Name	BAG family molecular chaperone regulator 1
NCBI Official Synonym Full Names	BCL2-associated athanogene
NCBI Official Symbol	BAG1
NCBI Official Synonym Symbols	HAP; BAG-1; RAP46
NCBI Protein Information	BAG family molecular chaperone regulator 1; Bcl-2-binding protein; receptor-associated protein, 46-KD; Bcl-2 associating athanogene-1 protein; glucocorticoid receptor-associated protein RAP46
UniProt Protein Name	BAG family molecular chaperone regulator 1
UniProt Gene Name	BAG1
UniProt Synonym Gene Names	HAP; BAG-1
UniProt Entry Name	BAG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/bag1-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/10702>