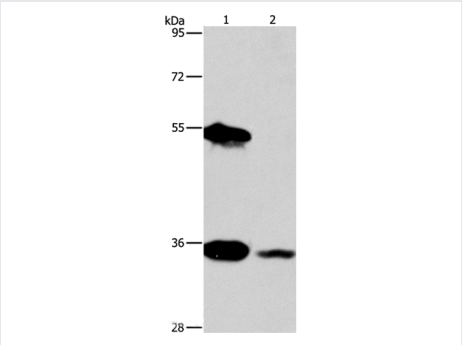
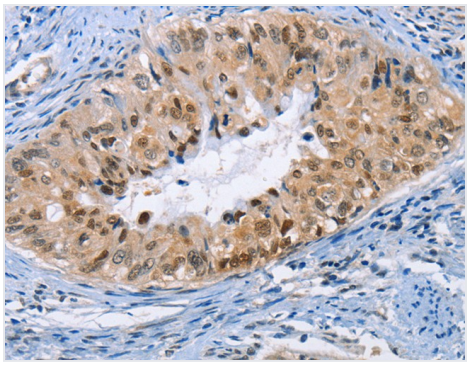
BAG1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

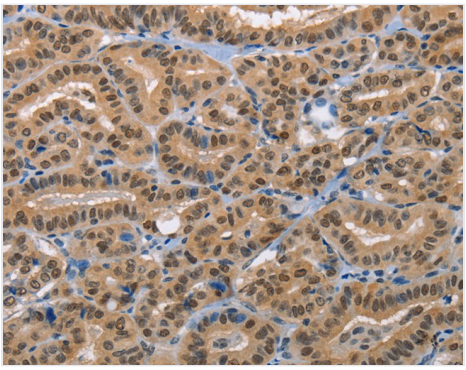
Product Name	BAG1, Polyclonal Antibody
Full Product Name	BAG1 Polyclonal Antibody
Product Gene Name	anti-BAG1 antibody
Product Synonym Names	HAP; BAG-1; RAP46
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	0.7mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	25,989 Da
OMIM	601497
Immunogen	Recombinant protein of human BAG1
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Product Categories/Family for anti-BAG1 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BAG1 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-BAG1 antibody	WB: 1:500-1:2000 IHC: 1:25-1:100
Related Product Information for anti-BAG1 antibody	The oncogene BCL2 is a membrane protein that blocks a step in a pathway leading to apoptosis or programmed cell death. The protein encoded by this gene binds to BCL2 and is referred to as BCL2-associated athanogene. It enhances the anti-apoptotic effects of BCL2 and represents a link between growth factor receptors and anti-apoptotic mechanisms. Multiple protein isoforms are encoded by this mRNA through the use of a non-AUG (CUG) initiation codon, and three alternative downstream AUG initiation codons. A related pseudogene has been defined on chromosome X.
Other Notes	Small volumes of anti-BAG1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BAG1 purchase	MBS2526181 is an antibody targeting BAG1. Also known as BAG1 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-BAG1 antibody
Western Blot analysis of Hela and Raji cell using BAG1 Polyclonal Antibody at dilution of 1:350



Immunohistochemistry (IHC) of anti-BAG1 antibody
Immunohistochemistry of paraffin-embedded Human cervical cancer using BAG1 Polyclonal Antibody at dilution of 1:20



Immunohistochemistry (IHC) of anti-BAG1 antibody
Immunohistochemistry of paraffin-embedded Human thyroid cancer using BAG1 Polyclonal Antibody at dilution of 1:20

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BAG1. It may not necessarily be applicable to this product.

NCBI GI #	288915525
NCBI GeneID	573
NCBI Accession #	NP_004314.5
UniProt Secondary Accession #	O75315; Q14414; Q53H32; Q5VZE8; Q5VZE9; Q5VZF0; Q96TG2; Q9Y2V4
UniProt Related Accession #	Q99933
GenBank Nucleotide #	NM_004323.5
NCBI Official Full Name	BAG family molecular chaperone regulator 1 isoform BAG-1L
NCBI Official Synonym Full Names	BCL2-associated athanogene
NCBI Official Symbol	BAG1
NCBI Official Synonym Symbols	HAP; BAG-1; RAP46
UniProt Protein Name	BAG family molecular chaperone regulator 1
UniProt Synonym Protein Names	Bcl-2-associated athanogene 1
Protein Family	BAG family molecular chaperone regulator
UniProt Gene Name	BAG1
UniProt Synonym Gene Names	HAP; BAG-1
UniProt Entry Name	BAG1_HUMAN

NCBI Protein Information	BAG family molecular chaperone regulator 1; Bcl-2 associating athanogene-1 protein; Bcl-2-binding protein; glucocortoid receptor-associated protein RAP46; receptor-associated protein, 46-KD
UniProt Comments for BAG1	BAG1: Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release. Inhibits the pro-apoptotic function of PPP1R15A, and has anti-apoptotic activity. Markedly increases the anti-cell death function of BCL2 induced by various stimuli. Homodimer. Forms a heteromeric complex with HSP70/HSC70. Binds to the ATPase domain of HSP/HSC70 chaperones. Isoform 1, isoform 3 and isoform 4 but not isoform 2 interact with HSPA8/HSC70. Interacts with NR3C1. Interacts with the N-terminal region of STK19. Interacts with PPP1R15A. Interacts with BCL2 in an ATP-dependent manner. Isoform 2 does not interact with BCL2. Up-regulated during differentiation of bladder epithelial cells and down-regulated during differentiation of prostate epithelium. Isoform 4 is the most abundantly expressed isoform. It is ubiquitously expressed throughout most tissues, except the liver, colon, breast and uterine myometrium. Isoform 1 is expressed in the ovary and testis. Isoform 4 is expressed in several types of tumor cell lines, and at consistently high levels in leukemia and lymphoma cell lines. Isoform 1 is expressed in the prostate, breast and leukemia cell lines. Isoform 3 is the least abundant isoform in tumor cell lines. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Nuclear receptor co-regulator Chromosomal Location of Human Ortholog: 9p12 Cellular Component: cytoplasm; nucleus Molecular Function: protein binding; chaperone binding; receptor signaling protein activity Biological Process: cell surface receptor linked signal transduction; apoptosis; negative regulation of apoptosis
Research Articles on BAG1	**1.** distinct isoforms of BAG-1 had different anti-apoptotic ability in breast cancer cells treated with the 4-OH TAM.
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