

## ARG45129 anti-Bag1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Bag1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	Bag1
Species	Human
Immunogen	Synthetic peptide corresponding to C-terminal region of human BAG1.
Conjugation	Un-conjugated
Alternate Names	BAG family molecular chaperone regulator 1; BAG-1; Bcl-2-associated athanogene 1; BAG1; HAP; BCL2 Associated Athanogene; HAP; Glucocorticoid Receptor-Associated Protein RAP46 ; Bcl-2 Associating Athanogene-1 Protein; Receptor-Associated Protein, 46-KD; BCL2 Associated Athanogene; BCL2-Associated Athanogene; Bcl-2-Binding Protein; RAP46

### Application Instructions

Application table	Application	Dilution
	IHC-P	2-5 µg/ml
	WB	0.1-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	33, 46, 56 kDa	

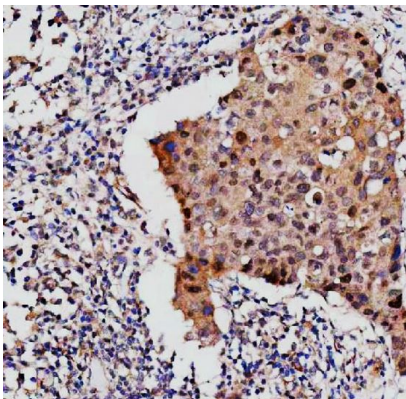
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

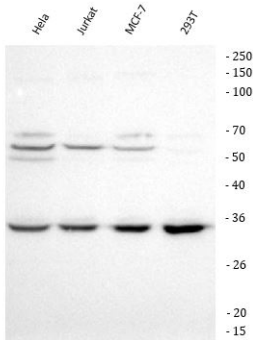
Gene Symbol	BAG1
Gene Full Name	BAG Cochaperone
Background	The oncogene BCL2 is a membrane protein that blocks a step in a pathway leading to apoptosis or programmed cell death. The protein encoded by this gene binds to BCL2 and is referred to as BCL2-associated athanogene. It enhances the anti-apoptotic 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. [provided by RefSeq, Feb 2010]
Function	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. [UniProt]
Calculated Mw	39 kDa
PTM	Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Nucleus; Cytoplasm. [UniProt]

Images



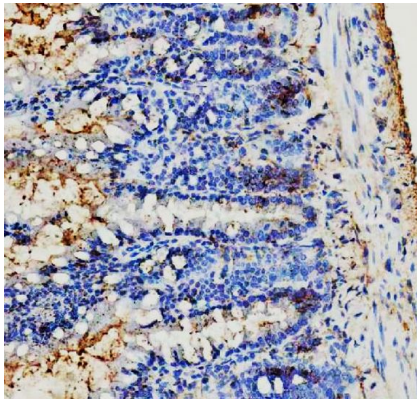
ARG45129 anti-Bag1 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG45129 anti-Bag1 antibody at 2 µg/ml dilution.



ARG45129 anti-Bag1 antibody WB image

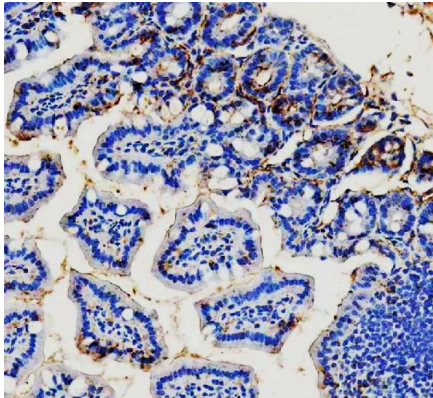
Western blot: HeLa, Jurkat, MCF-7, and 293T stained with ARG45129 anti-Bag1 antibody at 0.5 µg/ml dilution.



ARG45129 anti-Bag1 antibody IHC-P image

Immunohistochemistry: Rat colon stained with ARG45129 anti-Bag1 antibody at 2  $\mu$ g/ml dilution.

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ARG45129 anti-Bag1 antibody IHC-P image

Immunohistochemistry: Mouse colon stained with ARG45129 anti-Bag1 antibody at 2  $\mu$ g/ml dilution.

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