

Datasheet for ABIN2775278
anti-BAG2 antibody (C-Term)[Go to Product page](#)

5 Images

1 Publication

Overview

Quantity:	100 µL
Target:	BAG2
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Dog, Rabbit, Zebrafish (Danio rerio), Cow, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAG2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human BAG2
Sequence:	VDQKFQSIVI GCALEDQKKI KRRLETLLRN IENSDKAIKL LEHSGAGSK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against BAG2. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	BAG2
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Target Details

Alternative Name:	BAG2 (BAG2 Products)
Background:	<p>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 predicted BAG2 protein contains 211 amino acids. 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.</p> <p>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 predicted BAG2 protein contains 211 amino acids. 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.</p> <p>Alias Symbols: RP3-496N17.2, BAG-2, KIAA0576, MGC149462, dJ41711.2</p> <p>Protein Interaction Partner: BAG2, UBC, TP53, LGALS3BP, TUBGCP2, TUBG1, STIP1, TAB1, STUB1, DNAJB6, MLF2, TTC1, STXBP2, SGTA, DNAJB1, HSPA8, SHFM1, PINK1, RPA3, RPA2, RPA1, AHNAK, PARK2, LATS2, TARDBP, EGFR, BAG3, HDAC11, SOX2, NPM1, PAN2, WDR83, WDR77, CCAR2, METTL21B, DNAJC6, NOS2,</p> <p>Protein Size: 211</p>
Molecular Weight:	23 kDa
Gene ID:	9532
NCBI Accession:	NM_004282 , NP_004273
UniProt:	O95816

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 211 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
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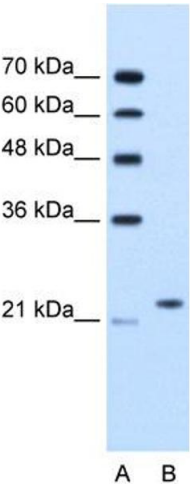
Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

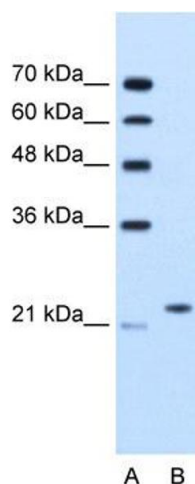
Product cited in:	Bortnik, Choutka, Horlings, Leung, Baker, Lebovitz, Dragowska, Go, Bally, Minchinton, Gelmon, Gorski: "Identification of breast cancer cell subtypes sensitive to ATG4B inhibition." in: Oncotarget , Vol. 7, Issue 41, pp. 66970-66988, (2016) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-BAG2 Antibody Titration: 1.25ug/ml Positive Control: Jurkat cell lysate BAG2 is supported by BioGPS gene expression data to be expressed in Jurkat



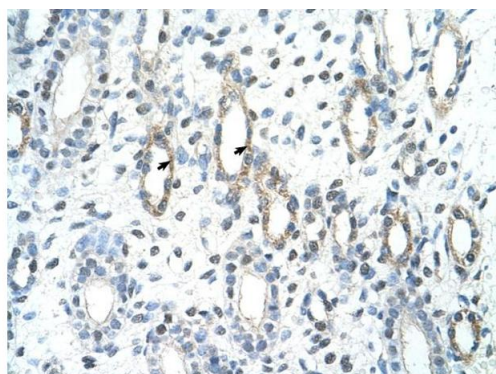
Western Blotting

Image 2. WB Suggested Anti-BAG2

Antibody Titration: 1.25 µg/mL

Positive Control: Jurkat cell lysate

BAG2 is supported by BioGPS gene expression data to be expressed in Jurkat



Rabbit Anti-BAG2 Antibody
Catalog Number: ARP42177
Lot Number: QC12734
Paraffin Embedded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 3. Rabbit Anti-BAG2 Antibody Paraffin Embedded

Tissue: Human Kidney Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 µg/ml Magnification:

400X

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2775278.