



Datasheet for ABIN3042341
anti-BAG3 antibody (AA 100-561)



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2 Images

Overview

Quantity:	100 µg
Target:	BAG3
Binding Specificity:	AA 100-561
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAG3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for BAG family molecular chaperone regulator 3(BAG3) detection. Tested with WB, IHC-P in Human,Rat.
Immunogen:	E.coli-derived human Bag3 recombinant protein (Position: H100-N561). Human Bag3 shares 84.1% amino acid (aa) sequence identity with mouse Bag3.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for BAG family molecular chaperone regulator 3(BAG3) detection. Tested with WB, IHC-P in Human,Rat. Gene Name: BCL2-associated athanogene 3 Protein Name: BAG family molecular chaperone regulator 3
Purification:	Immunogen affinity purified.

Target Details

Target:	BAG3
Alternative Name:	BAG3 (BAG3 Products)
Background:	<p>BAG family molecular chaperone regulator 3(BAG3) is a member of a conserved family of cyto-protective proteins that bind to and regulate Hsp70 family molecular chaperones. BAG3 mutations are responsible for familial dilated cardiomyopathy. BAG3 polymorphisms are also associated with sporadic forms of the disease together with HSPB7 locus. In muscle cells, BAG3 cooperates with the molecular chaperones Hsc70 and HspB8 to induce the degradation of mechanically damaged cytoskeleton components in lysosomes. This process is called chaperone-assisted selective autophagy (CASA) and is essential for maintaining muscle activity in flies, mice and men.</p> <p>Synonyms: BAG 3 antibody BAG family molecular chaperone regulator 3 antibody BAG-3 antibody Bag3 antibody BAG3_HUMAN antibody Bcl 2 binding protein antibody Bcl-2-associated athanogene 3 antibody Bcl-2-binding protein Bis antibody BCL2 associated athanogene 3 antibody BCL2 binding athanogene 3 antibody BIS antibody Docking protein CAIR 1 antibody Docking protein CAIR-1 antibody</p>
Gene ID:	9531
UniProt:	O95817

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

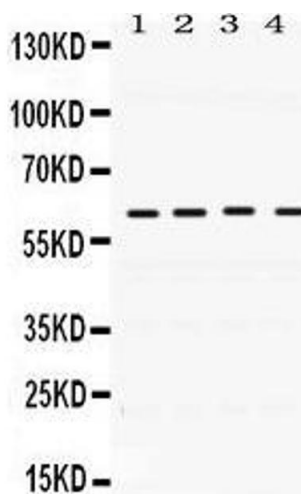
Handling

Format:	Lyophilized
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Handling

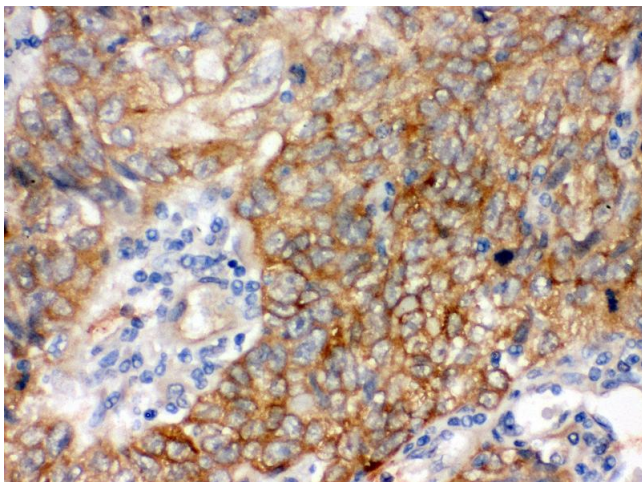
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Validation report #300033 for Immunohistochemistry (IHC)



Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti- Bag3 Picoband antibody, IHC(P) IHC(P):
Human Lung Cancer Tissue