

anti-Human, Rat Bag3 Polyclonal Antibody | anti-BAG3 antibody

Anti-Bag3 Antibody

CATALOG # AAA46393	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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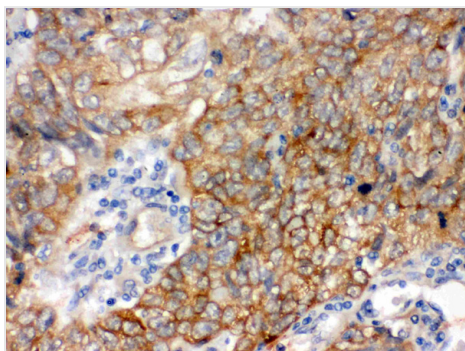
PRODUCT SYNONYMS

Bag3; Polyclonal Antibody; Anti-Bag3 Antibody; BAG family molecular chaperone regulator 3; BAG 3; BAG-3; BAG3_HUMAN; Bcl 2 binding protein; Bcl-2-associated athanogene 3; Bcl-2-binding protein Bis; BCL2 associated athanogene 3; BCL2 binding athanogene 3; BIS; Docking protein CAIR 1; Docking protein CAIR-1 antibody; BCL2-associated athanogene 3; anti-BAG3 antibody

PRODUCT SPECIFICATIONS

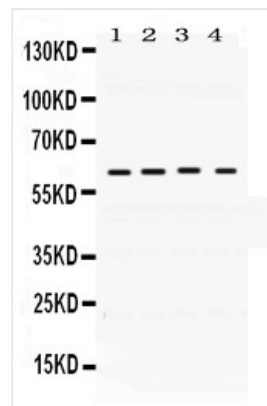
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	575
Applicable Applications for anti-BAG3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Bag3 recombinant protein (Position: H100-N561). Human Bag3 shares 84.1% amino acid (aa) sequence identity with mouse Bag3.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Bag3 Picoband antibody, AAA46393, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)

Anti- Bag3 Picoband antibody, AAA46393, Western blottingAll lanes: Anti Bag3 (AAA46393) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Rat Testis Tissue Lysate at 50ugLane 3: MCF-7 Whole Cell Lysate at 40ugLane 4: HELA Whole Cell Lysate at 40ugPredicted bind size: 62KDObserved bind size: 62KD

ADDITIONAL INFORMATION

Related Product Information for anti-BAG3 antibody	Description: Rabbit IgG polyclonal antibody for BAG family molecular chaperone regulator 3(BAG3) detection. Tested with WB, IHC-P in Human;Rat. Background: 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.
References	1. Arndt V, Dick N, Tawo R, Dreiseidler M, Wenzel D, Hesse M, Fürst DO, Saftig P, Saint R, Fleischmann BK, Hoch M, Höhfeld J (January 2010). "Chaperone-assisted selective autophagy is essential for muscle maintenance". Curr Biol 20 (2): 143-8. 2. Homma, S., Iwasaki, M., Shelton, G. D., Engvall, E., Reed, J. C., Takayama, S. BAG3 deficiency results in fulminant myopathy and early lethality. Am. J. Path. 169: 761-773, 2006. 3. Villard, E; Perret, C, Gary, F, Proust, C, Dilanian, G, Hengstenberg, C, Ruppert, V, Arbustini, E, Wichter, T, Germain, M, Dubourg, O, Tavazzi, L, Aumont, MC, DeGroote, P, Fauchier, L, Trochu, JN, Gibelin, P, Aupetit, JF, Stark, K, Erdmann, J, Hetzer, R, Roberts, AM, Barton, PJ, Regitz-Zagrosek, V; Cardiogenics Consortium, Aslam, U, Duboscq-Bidot, L, Meyborg, M, Maisch, B, Madeira, H, Waldenström, A, Galve, E, Cleland, JG, Dorent, R, Roizes, G, Zeller, T, Blankenberg, S, Goodall, AH, Cook, S, Tregouet, DA, Tiret, L, Isnard, R, Komajda, M, Charron, P, Cambien, F (April 1, 2011). A genome-wide association study identifies two loci associated with heart failure due to dilated cardiomyopathy 32 (9). pp. 1065-76.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14043024
NCBI GeneID	9531
NCBI Accession #	NP_004272.2
NCBI GenBank Nucleotide #	NM_004281.3
UniProt Accession #	O95817; Q3B763; Q9NT20; Q9P120; A8K5L8
Molecular Weight	61,595 Da
NCBI Official Full Name	BAG family molecular chaperone regulator 3
NCBI Official Synonym Full Names	BCL2 associated athanogene 3
NCBI Official Symbol	BAG3
NCBI Official Synonym Symbols	BIS; MFM6; BAG-3; CAIR-1
NCBI Protein Information	BAG family molecular chaperone regulator 3
UniProt Protein Name	BAG family molecular chaperone regulator 3
UniProt Gene Name	BAG3
UniProt Synonym Gene Names	BIS; BAG-3
UniProt Entry Name	BAG3_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.