Datasheet for ABIN7602774

anti-BAG1 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	BAG1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAG1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-BAG1 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human BAG1, which shares 91.4% and 88.6% amino acid (aa) sequence identity with mouse and rat BAG1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-BAG1 Antibody Picoband® (ABIN7602774). Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	BAG1
Alternative Name:	BAG1 (BAG1 Products)
Background:	Synonyms: BAG family molecular chaperone regulator 1,BAG-1,Bcl-2-associated athanogene 1,BAG1,HAP, Tissue Specificity: 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 (at protein level). . Background: BAG family molecular chaperone regulator 1 (BAG1) is a protein that in humans is encoded by the BAG1 gene. Human BAG1 is mapped to chromosome 9p12, a region associated with hereditary disorders that may involve developmental dysregulation of programmed cell death. The Bag1 protein is rich in glutamic acid residues. Its deduced 274-amino acid protein has a calculated molecular mass of 31 KD. Being the BCL-2-associated athanogene, Bag1 enhances the anti-apoptotic effects of BCL2 and represents a link between growth factor receptors and anti-apoptotic mechanisms.
Molecular Weight:	33 kDa(S), 46 kDa(M), 56 kDa(L)
Gene ID:	573
UniProt:	Q99933

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human 1. Takayama S, Sato T, Krajewski S, Kochel K, Irie S, Millan JA, Reed JC (Mar 1995). "Cloning and functional analysis of BAG-1: a novel Bcl-2-binding protein with anti-cell death activity". Cell 80 (2): 279-84. 2. Takayama, S., Kochel, K., Irie, S., Inazawa, J., Abe, T., Sato, T., Druck, T., Huebner, K., Reed, J. C.Cloning of cDNAs encoding the human BAG1 protein and localization of the human BAG1 gene to chromosome 9p12.Genomics35: 494-498, 1996. 3. "Entrez Gene: BAG1 BCL2-associated athanogene".
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.