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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-Z21

BAG1 Antibody

Overview

Description:	Anti-BAG1 (RABBIT) Antibody - 600-401-Z21
Item No.:	600-401-Z21
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Bcl-2-associated athanogene 1 (BAG-1) was first identified as an anti-apoptotic bcl-2-binding protein. Later it was found to bind the molecular chaperones Hsp70 and Hsc70 through its carboxy-terminal sequence (termed the Bag domain), resulting in the inhibition of the refolding activity of these chaperones. It is thought that by binding and inhibiting these molecular chaperones, BAG-1is able to modulate the expression level of proteins requiring chaperones to fold correctly. One such group of proteins that are affected is glucocorticoid receptors. Other reports have suggested that the level of BAG-1 expression correlates with the aggressiveness of various cancers. Multiple isoforms of BAG-1 are known to exist.
Synonyms:	BAG-1 Antibody, HAP, BAG-1, RAP46, HAP, BAG family molecular chaperone regulator 1, Bcl-2-associated athanogene 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BAG1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-BAG-1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide from near the C-terminus of human BAG-1.
Purity/Specificity:	Anti-BAG-1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with BAG-1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q99933 • GeneID - 573 • NCBI - NP_004314

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-BAG-1 Antibody has been tested for use in ELISA, immunohistochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 39 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1 - 2 µg/mL

Formulation

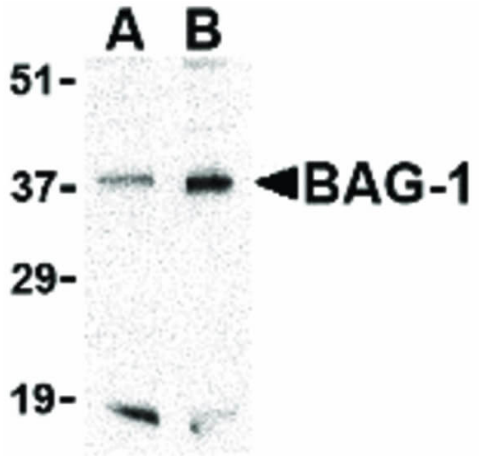
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of BAG-1 antibody in PC-3 cell lysate. Lane A: BAG-1 antibody at 1 µg/mL. Lane B: BAG-1 antibody at 2 µg/mL. Load: 35 µg per lane. Primary antibody: BAG-1 antibody at designated concentrations for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 39 kDa, 37 kDa for BAG-1. Other band(s): BAG-1 splice variants and isoforms.

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