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Datasheet for 600-401-Z32

BAP31 Antibody

Overview

Description:	Anti-BAP31 (RABBIT) Antibody - 600-401-Z32
Item No.:	600-401-Z32
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Bap31 and the related protein Bap29 are endoplasmic reticulum (ER) and ER-vesicle membrane proteins and members of the B-cell receptor-associated protein family. These two proteins are highly homologous and can form homo- and heterodimers. Bap31 is thought to be involved in the intracellular trafficking of several molecules such as MHC Class I molecules and CD11b/CD18. It may also play a role in the initiation of ER stress-induced apoptosis through its association with caspase-8 via a death effector domain in its cytoplasmic tail, possibly through the promotion of membrane fragmentation and the release of cytochrome c from mitochondria. Bap31 itself contains two caspase cleavage sites and is cleaved during apoptosis. The p20 fragment of Bap31, when expressed ectopically, is also a potent inducer cell death.
Synonyms:	BAP31 Antibody, CDM, DDCH, BAP31, 6C6-AG, DXS1357E, B-cell receptor-associated protein 31, 6C6-AG tumor-associated antigen, BCR-associated protein 31
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BCAP31
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-BAP31 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide from near the C-terminus of human BAP31.
Purity/Specificity:	Anti-BAP31 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with BAP31 from other sources has not been determined.
Relevant Links:	• UniProtKB - P51572 • GeneID - 10134 • NCBI - NP_005736

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-BAP31 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 28 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:	1:5000 - 1:20,000
IHC:	2 µg/mL
WB:	0.5 - 2 µg/mL

Formulation

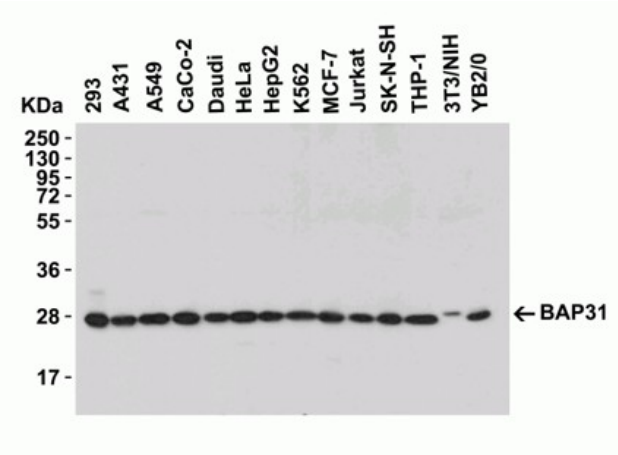
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

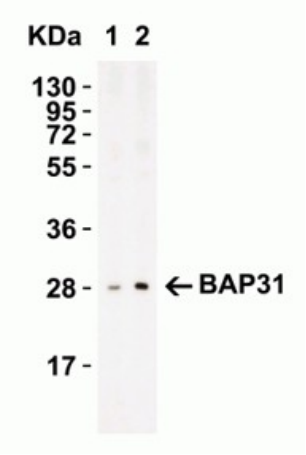
Shipping Condition:	Dry Ice

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.

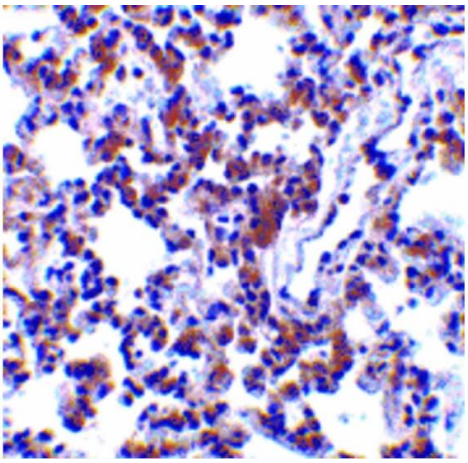
Images



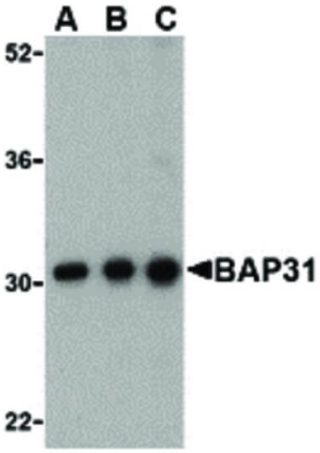
Western Blot
Western Blot Validation. Loading: 15 µg of Human, Mouse and Rat Cell Line lysates per lane. Antibodies: BAP31, (0.5 µg/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot
Western Blot Validation. Loading: 15 µg of rat lung tissue lysates per lane. Antibodies: BAP31, (Lane 1: 1 µg/mL and Lane 2: 2 µg/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry
Immunohistochemistry of BAP31 antibody. Tissue: rat lung tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: BAP31 antibody at 2 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: BAP31 is located in the endoplasmic reticulum and cell membrane. Staining: BAP31 is stained with toluidine blue.



Western Blot
Western Blot of BAP31 antibody in Ramos cell lysate. Lane A: BAP31 antibody at 0.5 µg/mL. Lane B: BAP31 antibody at 1 µg/mL. Lane C: BAP31 antibody at 2 µg/mL. Load: 35 µg per lane. Primary antibody: BAP31 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: 28 kDa, 32 kDa for BAP31. Other band(s): BAP31 splice variants and isoforms.

Disclaimer

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