

## Anti-BAP31 BCAP31 Antibody

Catalog Number: A03767

### About BCAP31

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.

### Overview

Product Name	Anti-BAP31 BCAP31 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-BAP31 BCAP31 Antibody (Catalog # A03767). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	BAP31 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	BAP31 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P51572

### Technical Details

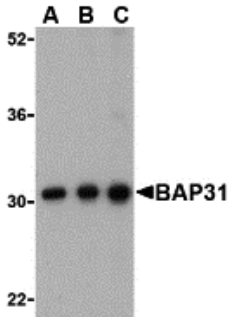
Immunogen	Anti-BAP31 antibody was raised against a peptide corresponding to 17 amino acids near the carboxy terminus of human BAP31. The immunogen is located within the last 50 amino acids of BAP31.
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	BAP31 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

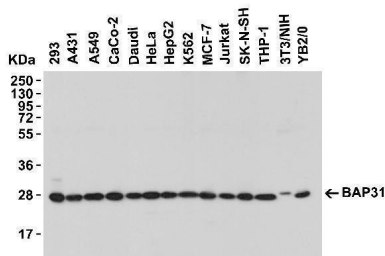
WB: 0.5-2 ug/mL; IHC: 2 ug/mL.

Antibody validated: Western Blot in human, mouse and rat samples; Immunohistochemistry in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

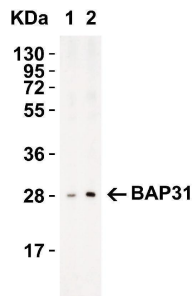
## Anti-BAP31 BCAP31 Antibody (A03767) Images



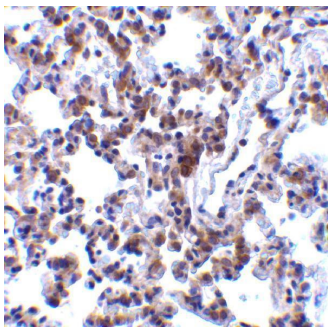
Western Blot Validation in Ramos Cell Lysate Loading: 15 ug of lysates per lane. Antibodies: BAP31, A03767 (A: 0.5 ug/mL, B: 1 ug/mL and C: 2 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot Validation in Human, Mouse and Rat Cell Lines Loading: 15 ug of lysates per lane. Antibodies: BAP31, A03767 (0.5 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot Validation in Rat Lung Tissue Lysate Loading: 15 ug of lysates per lane. Antibodies: BAP31, A03767 (Lane 1: 1 ug/mL and Lane 2: 2 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry Validation of BAP31 in Rat Lung Tissue Immunohistochemical analysis of paraffin-embedded rat lung tissue using anti-BAP31 antibody (A03767) at 2 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

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