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Datasheet for 600-401-Z28

BAP29 Antibody

Overview

Description:	Anti-BAP29 (RABBIT) Antibody - 600-401-Z28
Item No.:	600-401-Z28
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Bap29 and the related protein Bap31 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. Both Bap29 and Bap31 interact with membrane-bound immunoglobulins (mIgs), such as IgM and IgD, which with Ig-alpha/Ig-beta heterodimers form B cell antigen receptors. Binding of the Bap29/Bap31 heterodimer correlates with the ER retention of non-Ig-alpha/Ig-beta bound mIg complexes, suggesting that Bap29 and Bap31 may act as chaperones transmembrane regions of various proteins. Bap29 possesses multiple isoforms.
Synonyms:	BAP29 Antibody, BAP29, BAP29, B-cell receptor-associated protein 29, BCR-associated protein 29
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BCAP29
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-BAP29 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide from near the internal region of human Bap29 antibody is specific for isoform a of Bap29.
Purity/Specificity:	Anti-BAP29 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with BAP29 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9UHQ4 • GeneID - 55973 • NCBI - NP_001008405

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-BAP29 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. 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
IF:	20 µg/mL
IHC:	10 µg/mL
WB:	0.5 - 2 µg/mL

Formulation

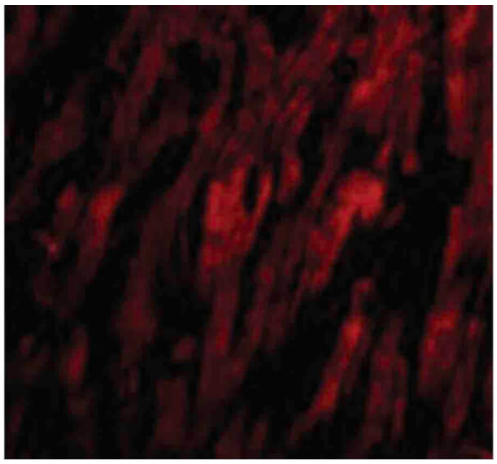
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

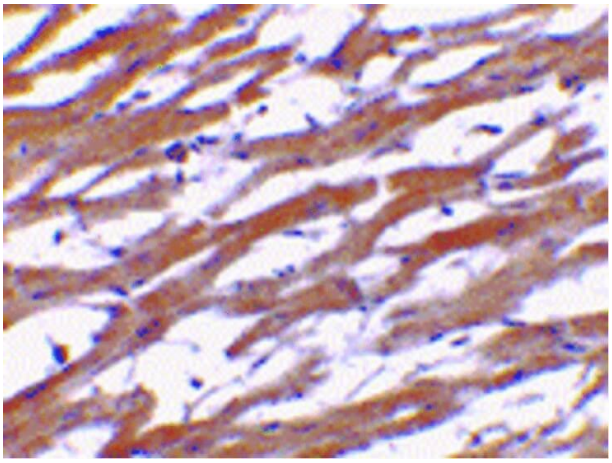
Shipping Condition:	Dry Ice

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.

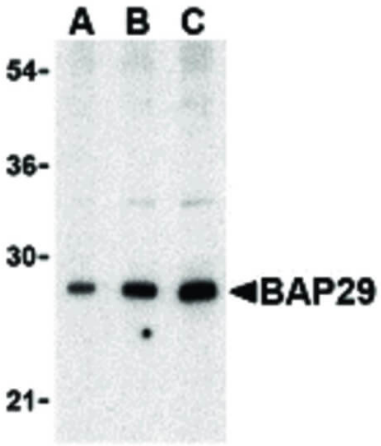
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of BAP29 antibody. Cell Type: Human heart cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: BAP29 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: BAP29 is located in the endoplasmic reticular and cell membrane. Staining: BAP29 as red fluorescent signal.



Immunohistochemistry
Immunohistochemistry of BAP29 antibody. Tissue: human heart tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: BAP29 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: BAP29 is located in the endoplasmic reticular and cell membrane. Staining: BAP29 is stained with hematoxylin purple nuclear counterstain.



Western Blot

Western Blot of BAP29 antibody in human heart tissue lysate. Lane A: BAP29 antibody at 0.5 µg/mL. Lane B: BAP29 antibody at 1 µg/mL. Lane C: BAP29 antibody at 2 µg/mL. Load: 35 µg per lane. Primary antibody: BAP29 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, 27 kDa for BAP29. Other band(s): BAP29 splice variants and isoforms.

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