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BAP29 Antibody

Catalog # ASC10382

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9UHQ4
Other Accession	NP_001008405, 56549093
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	28320
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	Bap29 antibody can be used for the detection of Bap29 by Western blot at 0.5 - 2 μg/mL. Antibody can also be used for immunohistochemistry starting at 10 μg/mL. For immunofluorescence start at 20 μg/mL.

Additional Information

Gene ID	55973
Other Names	BAP29 Antibody: BAP29, BAP29, B-cell receptor-associated protein 29, BCR-associated protein 29, B-cell receptor-associated protein 29
Target/Specificity	BCAP29;
Reconstitution & Storage	BAP29 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	BAP29 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BCAP29
Synonyms	BAP29
Function	May play a role in anterograde transport of membrane proteins from the endoplasmic reticulum to the Golgi. May be involved in CASP8- mediated apoptosis (By similarity).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein

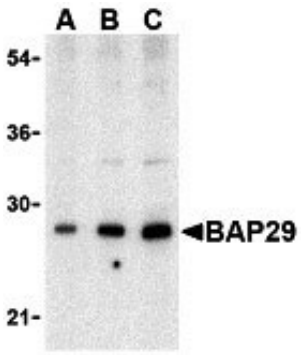
Background

BAP29 Antibody: 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.

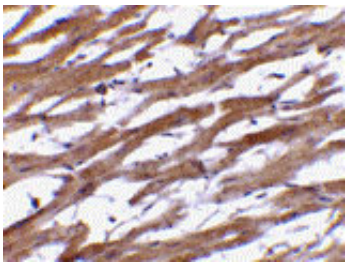
References

Kim KM, Adachi T, Nielsen PJ, et al. Two new proteins preferentially associated with membrane immunoglobulin D. EMBO J.1994; 13:3793-800.
Ng F, Nguyen M, Kwan T, et al. p28 BAP31, a Bcl-2/Bcl-XL- and procaspase-8-associated protein the endoplasmic reticulum. J. Cell Biol.1997; 139:327-38.
Schamel WW, Kuppig S, Becker B, et al. A high-molecular-weight complex of membrane proteins BAP29/BAP31 is involved in the retention of membrane-bound IgD in the endoplasmic reticulum. Proc. Natl. Acad. Sci. USA2003; 100:9861-6.

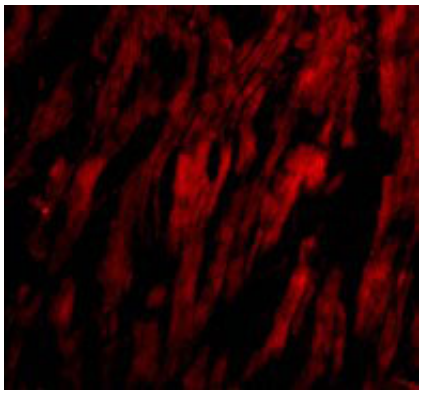
Images



Western blot analysis of Bap29 in human heart tissue lysate with Bap29 antibody at (A) 0.5, (B) 1 and (C) 2 µg/mL.



Immunohistochemistry of BAP29 in human heart tissue with BAP29 antibody at 10 µg/mL.



Immunofluorescence of BAP29 in Human Heart cells with BAP29 antibody at 20 µg/mL.