

Bmf BH3 Domain Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1309a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q96LC9
Other Accession	Q91ZE9
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB00594
Calculated MW	20508
Antigen Region	115-150

Additional Information

Gene ID	90427
Other Names	Bcl-2-modifying factor, BMF
Target/Specificity	This Bmf BH3 Domain antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 115-150 amino acids from human Bmf BH3 Domain.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Bmf BH3 Domain Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BMF
Function	May play a role in apoptosis. Isoform 1 seems to be the main initiator.
Tissue Location	Isoform 1 is mainly expressed in B-lymphoid cells. Isoform 2 and isoform 3

are mainly expressed in B-CLL and normal B- cells.

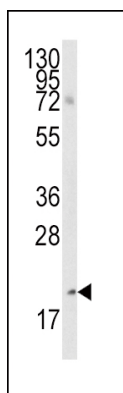
Background

Bmf belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein contains a single BCL2 homology domain 3 (BH3), and has been shown to bind BCL2 proteins and function as an apoptotic activator. This protein is found to be sequestered to myosin V motors by its association with dynein light chain 2, which may be important for sensing intracellular damage and triggering apoptosis.

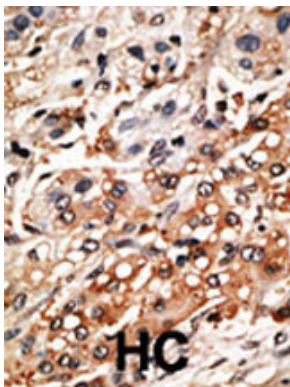
References

Puthalakath, H., et al., Science 293(5536):1829-1832 (2001).

Images



Western blot analysis of anti-Bmf BH3 Domain Antibody (Cat.#AP1309a) in A2058 cell line lysates (35ug/lane). Bmf(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

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