10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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, Rat, Bovine, Canine, Rabbit, Chicken
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.

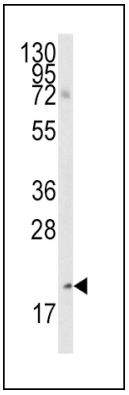
Background

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.

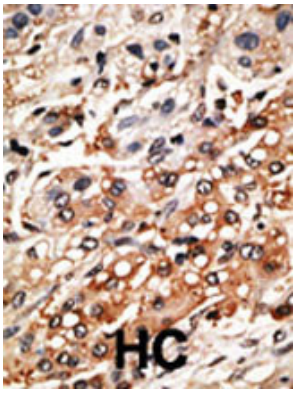
References

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.