ARG54435
anti-Bmf antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Bmf
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Specificity	This antibody recognizes an epitope at the N-terminus of human Bmf (Bcl-2-Modifying Factor), a novel BH3-only protein. In healthy cells, Bmf associates with the dynein light chain 2 component of the myosin V motors and is sequestered by the cell's actin cytoskeleton. Disruption of the actin cytoskeleton, either by depolymerization of actin filaments or by detachment of cells from the extracellular matrix, triggers release and activation of Bmf, initiaing the downstream apoptotic program. Bmf is constitutively expressed in many tissues.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Bmf
Species	Human
Immunogen	Peptide corresponding to aa 2-14 of human Bmf (accession no. NP_277038).
Conjugation	Un-conjugated
Alternate Names	Bcl-2-modifying factor

Application Instructions

Application table

Application	Dilution
ICC/IF	Assay-dependent
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: HepG2, 293 and HeLa

Properties

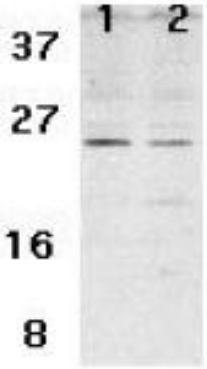
Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

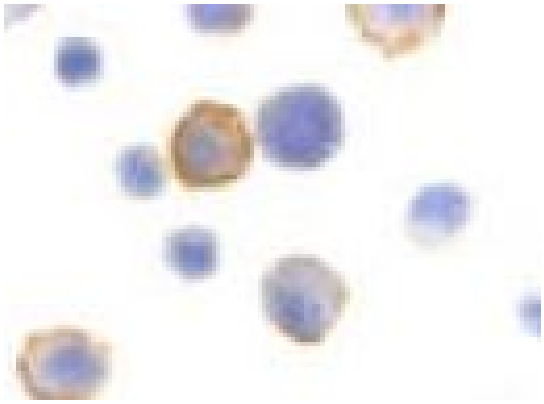
Database links	GeneID: 90427 Human Swiss-port # Q96LC9 Human
Gene Symbol	BMF
Gene Full Name	Bcl2 modifying factor
Background	The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved 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. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
Function	May play a role in apoptosis. Isoform 1 seems to be the main initiator. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody; Signaling Transduction antibody
Calculated Mw	21 kDa

Images



ARG54435 anti-Bmf antibody WB image

Western Blot: 1:HepG2; 2:293 stained with ARG54435 anti-Bmf antibody at 2 µg/ml dilution.



ARG54435 anti-Bmf antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG54435 anti-Bmf antibody at 10 µg/ml dilution.