Bmf Antibody

Catalog No: #24171

Orders: order@signalwayantibody.com
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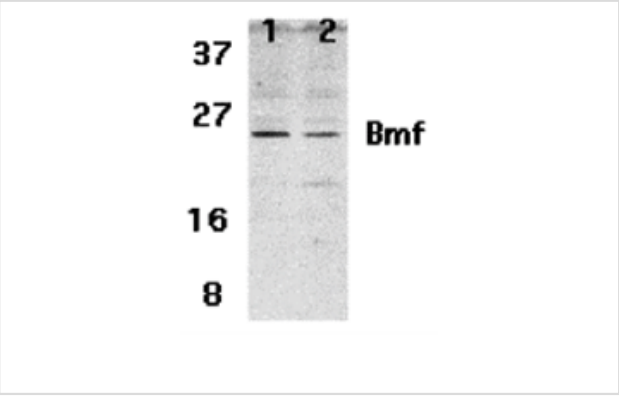
Description

Product Name	Bmf Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB ICC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	EndoG antibody was raised with a synthetic peptide corresponding to 15 amino acids near the amino terminus of human EndoG.
Target Name	Bmf
Accession No.	NP_277038
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

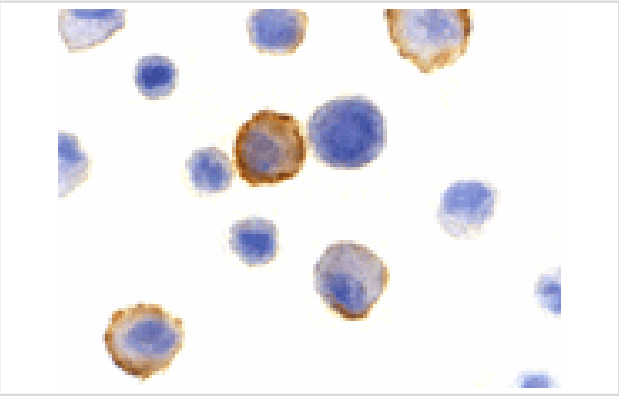
Application Details

Predicted MW: 25 kd

Images



Western blot analysis of Bmf expression in human HepG2 (lane 1) and 293 (lane 2) cell lysates with Bmf antibody at 2 ug /ml.



Immunocytochemistry of Bmf in HeLa cells with Bmf antibody at 10 ug/mL.

Background

Apoptosis is related to many diseases and development. Members in the Bcl-2 family are critical regulators of apoptosis by either inhibiting or promoting cell death. Bcl-2 homology 3 (BH3) domain is a potent death domain. BH3-only proteins, including Bad, Bid, Bik, Hrk, Bim, Noxa, and PUMA, form a growing subclass of the Bcl-2 family. A novel BH3-only protein was recently identified in human and mouse and designated Bmf (for Bcl-2-modifing factor). The BH3 domain in Bmf is required both for binding to Bcl-2 proteins and for triggering apoptosis. In healthy cells, Bmf associates with the dynein light chain 2 (DLC2) 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, initiating the downstream apoptotic program. Bmf is constitutively expressed in many tissues.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.