

Anti-XAF-1 Antibody

Catalog Number: A03432

About XAF1

XAF-1 binds to XIAP, an inhibitor of caspases-3, -7, and -9, and triggers its relocation from the cytosol to the nucleus. Overexpression of XAF-1 results in the neutralization of XIAP's ability to inhibit cell death. XAF-1 is normally expressed in all adult and fetal tissues but was found to be present in very low levels in a variety of cancer cell lines. In contrast, XIAP levels have been shown to be high in a majority of cell lines. Low XAF-1 and high basal expression of XIAP may therefore play a critical role in maintaining survival of cancer cell lines. Both IFN-alpha2 and IFN-beta can induce XAF-1 mRNA in all cells examined but induction of XAF-1 protein (as observed by immunoblot analysis) was seen only in cell lines sensitive to the apoptotic effects of IFNs.

Overview

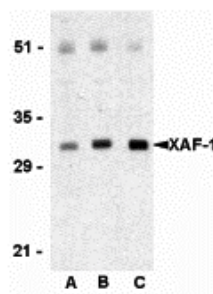
Product Name	Anti-XAF-1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-XAF-1 Antibody (Catalog # A03432). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	XAF-1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	XAF-1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q6GPH4

Technical Details

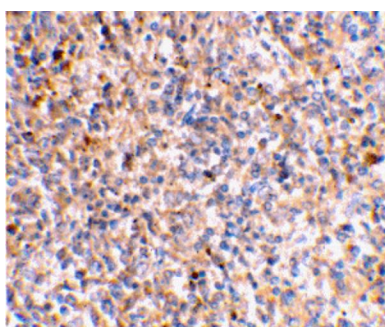
Immunogen	XAF-1 antibody was raised against a synthetic peptide corresponding to amino acids at the C-terminus of human XAF-1. The immunogen is located within the last 50 amino acids of XAF-1.
Predicted Reactive Species	Rat
Cross Reactivity	KLK4 antibody is human specific. At least three isoforms of KLK4 are known to exist.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	XAF-1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>XAF-1 antibody can be used for the detection of XAF-1 by Western blot at 0.5 to 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 10 ug/mL.</p> <p>Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.</p>

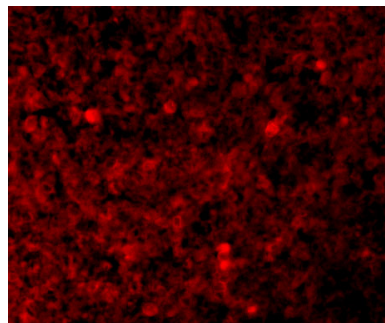
Anti-XAF-1 Antibody (A03432) Images



Western blot analysis of XAF-1 in human spleen lysate with XAF-1 antibody at (A) 0.5



Immunohistochemical staining of human spleen tissue using XAF-1 antibody at 2 ug/mL.



Immunofluorescence of XAF-1 in Human Spleen tissue with XAF-1 antibody at 10 ug/mL.

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