

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

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|----------------------|--|
| 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

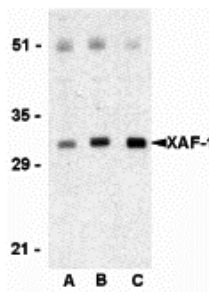
| | |
|----------------------------|--|
| Immunogen | XAF-1 antibody was raised against a synthetic peptide corresponding to amino acids at the C-terminus of human XAF-1. The immunogen is located within the last 50 amino acids of XAF-1. |
| Predicted Reactive Species | Rat |
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | XAF-1 Antibody is affinity chromatography purified via peptide column. |

Suggested Dilutions

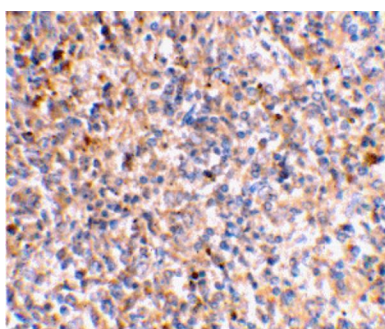
XAF-1 antibody can be used for the detection of XAF-1 by Western blot at 0.5 to 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 10 ug/mL.

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.

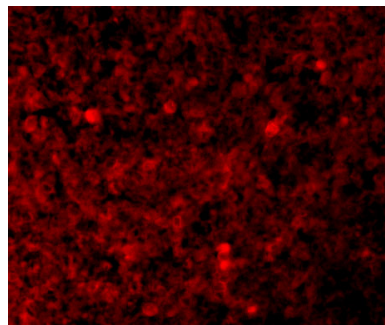
Anti-XAF-1 Antibody (A03432) Images



Western blot analysis of XAF-1 in human spleen lysate with XAF-1 antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL, respectively.



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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For Research Use Only. Not for use in diagnostic procedures.