

Datasheet for 600-401-FZ7**XAF-1 Antibody****Overview**

Description:	Anti-XAF-1 (RABBIT) Antibody - 600-401-FZ7
Item No.:	600-401-FZ7
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	XAF-1 Antibody, BIRC4BP, XIAPAF1, HSXIAPAF1, BIRC4BP, XIAP-associated factor 1, BIRC4-binding protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	XAF1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-XAF-1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to 16 amino acids near the internal region of human XAF-1.
Purity/Specificity:	Anti-XAF-1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with XAF-1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q6GPH4 • GeneID - 54739 • NCBI - NP_059993.2

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-XAF-1 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 35 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:40,000
IF:	20 µg/mL
WB:	1-4 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

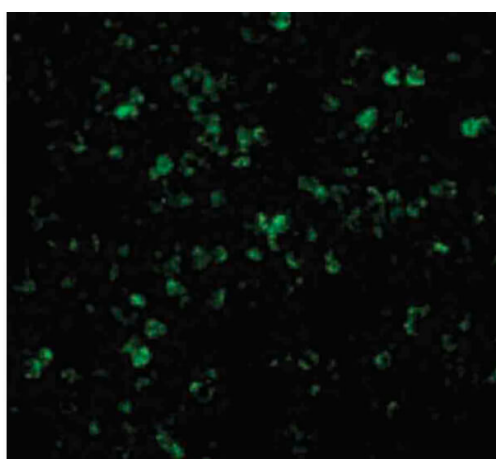
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

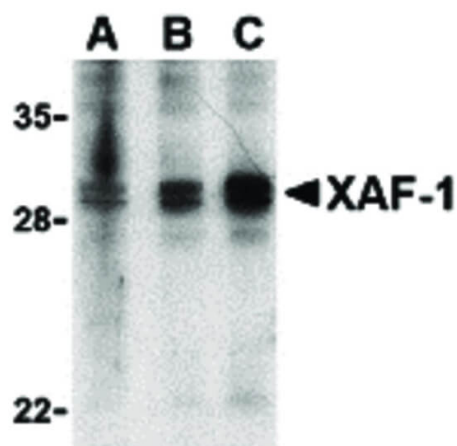
Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy

Immunofluorescence Microscopy of XAF-1 antibody. Cell Type: human spleen cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: XAF-1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: XAF-1 is located in the cell membrane. Staining: XAF-1 as green fluorescent signal.



Western Blot

Western Blot of XAF-1 antibody in human spleen lysate. Lane A: XAF-1 antibody at 1 µg/mL. Lane B: XAF-1 antibody at 2 µg/mL. Lane C: XAF-1 antibody at 4 µg/mL. Load: 35 µg per lane. Primary antibody: XAF-1 antibody at designated concentrations for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 49 kDa, 30 kDa for XAF-1. Other band(s): XAF-1 splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.