

Datasheet for 600-401-BC9**FAF1 Antibody****Overview**

Description:	Anti-FAF1 (RABBIT) Antibody - 600-401-BC9
Item No.:	600-401-BC9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Fas-associated protein 1 (FAF1) was initially identified as a Fas-binding pro-apoptotic protein that is component of the death-inducing signaling complex in Fas-mediated apoptosis. FAF1 can also induce apoptosis in the absence of extrinsic death signals when overexpressed although it does not contain typical death motifs such as the death domain, death effector domain, and caspase recruitment domain. Overexpression of FAF1 also decreases the basal level of NF-kB activity in transfected 293 cells, inhibits NF-kB activity induced by TNF-α, IL-1β and lipopolysaccharide, and prevents NF-kB translocation to the nucleus, suggesting that another role of FAF1 is to negatively regulate the activity of NF-kB. FAF1 can also interact with the inflammatory signaling PYRIN-containing Apaf-1-like proteins (PYPAFs, also called NALPs) such as PYPAF1, PYPAF2 (NALP2), and PYPAF7, suggesting FAF1 may also be involved in the inflammation pathway. Multiple differentially spliced isoforms of FAF1 are known to exist.
Synonyms:	FAF1 Antibody, hFAF1, CGI-03, HFAF1s, UBXD12, UBXN3A, FAS-associated factor 1, UBX domain-containing protein 12, hFAF1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FAF1
Reactivity:	Human, Mouse, Rat

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-FAF1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide from near the C-terminus of human FAF1.
Purity/Specificity:	Anti-FAF1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with FAF1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9UNN5 • GeneID - 11124 • NCBI - NP_008982

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-FAF1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 74 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 - 1:20,000
IF:	20 µg/mL
IHC:	2.5 µg/mL
WB:	1-2 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

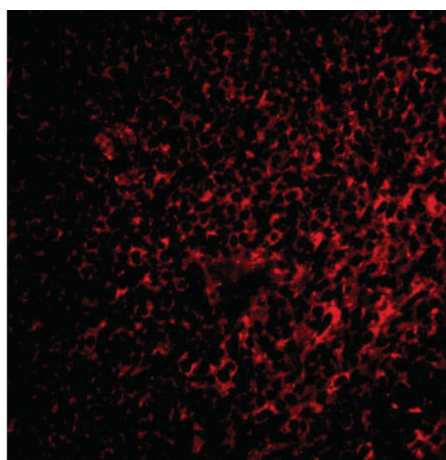
Shipping & Handling

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.

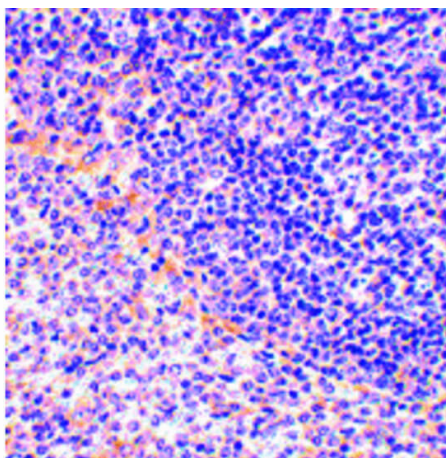
Expiration: Expiration date is one (1) year from date of receipt.

Images



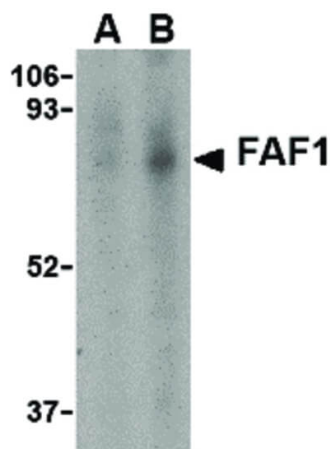
Immunofluorescence Microscopy

Immunofluorescence Microscopy of FAF1 antibody. Tissue: rat spleen tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: FAF1 antibody at 2 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: FAF1 is nuclear. Staining: FAF1 as red fluorescent signal.



Immunohistochemistry

Immunohistochemistry of FAF1 antibody. Tissue: rat spleen tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: FAF1 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: FAF1 is nuclear. Staining: FAF1 is stained with hematoxylin purple nuclear counterstain.

**Western Blot**

Western Blot of FAF1 antibody in Jurkat cell lysate. Lane A: FAF1 antibody at 1 $\mu\text{g/mL}$. Lane B: FAF1 antibody at 2 $\mu\text{g/mL}$. Load: 35 μg per lane. Primary antibody: FAF1 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: 74 kDa, 88 kDa for FAF1. Other band(s): FAF1 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.