

Datasheet for 600-401-674**FANCF Antibody****Overview**

Description:	Anti-FANCF (RABBIT) Antibody - 600-401-674
Item No.:	600-401-674
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	FANCF (also called Protein FACF or Fanconi Anemia Group F protein) is involved in DNA repair, perhaps specifically with post-replication repair or a cell cycle checkpoint function. FANCF has also been implicated in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability. FANCF belongs to the multi-subunit Fanconi Anemia (FA) complex composed of FANCA, FANCB, FANCC, FANCE, FANCF, FANCG, FANCL/PHF9 and FANCM. The complex is not found in FA patients. FANCF is found within the nucleus. Defects in FANCF include Fanconi Anemia - Complementation Group F and Fanconi Anemia - Complementation Group A. Anti-FANCF antibody is useful for researchers interested in Ubiquitin, DNA repair, BRCA1, and Cell cycle checkpoint research.
Synonyms:	rabbit anti-FANCF antibody, FANC-F, FAC-F, FACF antibody, FAF antibody, Fanconi anemia complementation group F antibody, Fanconi anemia group F protein antibody, MGC126856 antibody, Protein FACF
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal amino acid sequence of human FANCF.
Purity/Specificity:	This affinity purified antibody is directed against human FANCF protein. The product was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with FANCF protein from human and chimpanzee based on 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.
Relevant Links:	• NCBI - 23821547 • UniProtKB - Q9NPI8 • GenelD - 2188

Application Details

Tested Applications:	ELISA, WB
Application Note:	This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 42 kDa in size corresponding to FANCF by western blotting in the appropriate human tissue.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
WB:	1:1000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.19 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

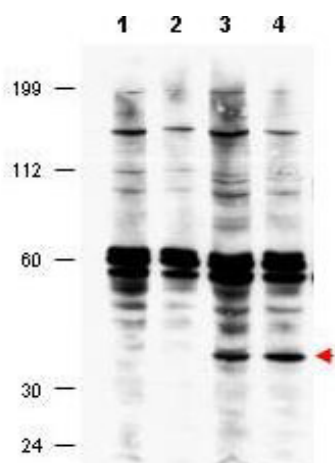
Shipping & Handling

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



Western Blot

Western blot using Rockland's affinity purified anti-FANCF antibody shows detection of FANCF present in a lysate prepared from a Fanconi anemia complementation group F patient lymphoblast after retroviral correction using hFANCF cDNA (lanes 3 and 4). This band (indicated by arrowhead) is approximately 42.3 kDa in size. The band is not detected in FA-F a lymphoblast lysate that is not corrected for the deletion and does not express the FANCF protein (lanes 1 and 2). Lanes 2 and 4 represent lysates taken from lymphoblasts after 40 J/m² UV irradiation, whereas lanes 1 and 3 received no irradiation. No apparent difference was noted upon irradiation. The strong band at ~60kDa appears to be non-specific. Personal communication, N. Howlett, University of Rhode Island, Kingston, RI.

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.