

## Anti-Fanconi anemia group C protein FANCC Antibody

Catalog Number: A02387

### About FANCC

FANCC (also called Protein FACC or Fanconi Anemia Group C protein) is involved in DNA repair, perhaps specifically with post-replication repair or a cell cycle checkpoint function. FANCC may also be implicated in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability. FANCC belongs to the multi-subunit Fanconi Anemia (FA) complex composed of FANCA, FANCB, FANCC, FANCE, FANCF, FANCG, FANCL/PHF9 and FANCM. FANCC is mainly found within the nucleus although some protein is localized in the cytoplasm. This protein is ubiquitously expressed. Defects in FANCC are a cause of Fanconi anemia (FA). FA is a genetically heterogeneous, autosomal recessive disorder characterized by cytogenetic instability, hypersensitivity to DNA crosslinking agents, increased chromosomal breakage, and defective DNA repair. The members of the Fanconi anemia complementation group do not share sequence similarity; they are related by their assembly into a common nuclear protein complex. This gene encodes the protein for complementation group C.

### Overview

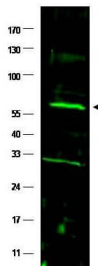
Product Name	Anti-Fanconi anemia group C protein FANCC Antibody
Reactive Species	Human
Description	Boster Bio Anti-Fanconi anemia group C protein FANCC Antibody (Catalog # A02387). Tested in ELISA, WB applications. This antibody reacts with Human.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	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 date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q00597

### Technical Details

Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near amino acids 80-115 of Human FANCC.
Predicted Reactive Species	Chimpanzee
Cross Reactivity	No cross reactivity with other proteins.

Isotype	IgG
Form	Liquid (sterile filtered)
Concentration	1.45 mg/mL by UV absorbance at 280 nm
Purification	This affinity-purified antibody is directed against human FANCC protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with FANCC protein from human and chimpanzee based on 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.
Suggested Dilutions	ELISA: 1:20,000 - 1:80,000 WB: 1:1,000 - 1:3,000 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 63 kDa in size corresponding to FANCC by western blotting in the appropriate human tissue.

## Anti-Fanconi anemia group C protein FANCC Antibody (A02387) Images



Western blot using Boster's affinity purified anti-FANCC antibody shows detection of a band at ~63 kDa (arrowhead) corresponding to FANCC present in a HeLa whole cell lysate. The identity of the lower molecular weight band is unknown. Approximately 35µg of lysate was separated by 4-20% Tris Glycine SDS-PAGE. After blocking, the membrane was probed overnight at 4°C with the primary antibody diluted to 1:1,500 in PBS supplemented with 1% normal goat serum and 0.1% BLOTTO. The membrane was washed and reacted with a 1:10,000 dilution of IRDye™ 800 conjugated Gt-a-Rabbit IgG [H&L] for 45 min at room temperature (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers (indicated at left). IRDye™ 800 fluorescence image was captured using the Odyssey® Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.

### Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Fanconi anemia group C protein FANCC Antibody

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