

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

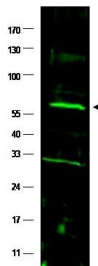
Product Name	Anti-Fanconi anemia group C protein FANCC Antibody
Reactive Species	Human
Description	Boster Bio Anti-Fanconi anemia group C protein FANCC Antibody (Catalog # A02387). Tested in ELISA, WB applications. This antibody reacts with Human.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	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	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA: 1:20,000 - 1:80,000</p> <p>WB: 1:1,000 - 1:3,000</p>

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



Western blot analysis of FANCC expression in HELA whole cell lysates (lane 1). FANCC at 63KD was detected using rabbit anti-FANCC Antigen Affinity purified polyclonal antibody (Catalog # A02387) at 1:1500. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).

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