

Datasheet for ABIN1699126

**anti-FANCC antibody (AA 61-160) (AbBy Fluor® 647)**[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	FANCC
Binding Specificity:	AA 61-160
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FANCC antibody is conjugated to AbBy Fluor® 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FANCC
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Horse
Purification:	Purified by Protein A.

## Target Details

Target:	FANCC
Alternative Name:	FANCC ( <a href="#">FANCC Products</a> )

## Target Details

Background:	<p>Synonyms: bA80I15.1, FA 3, FA3, FAC, FACC, FANCC, FANCC_HUMAN, Fanconi anemia complementation group C, Fanconi anemia complementation group C protein, Fanconi anemia group C protein, Fanconi pancytopenia type 3, FLJ14675, Protein FACC.</p> <p>Background: Fanconi anemia (FA) is an autosomal recessive disorder characterized by bone marrow failure, birth defects and chromosomal instability (1,2). The FA Group C complementation group gene encodes the protein FANCC, which is located in both cytoplasmic and nuclear compartments. FANCC is expressed in a cell cycle-dependent manner, with the lowest levels at the G1/S boundary and the highest levels in the M-phase. The FANCC protein interacts with other FA complementation group proteins as well as non-FA proteins (3). A human <math>\alpha</math>-spectrin II (designated <math>\alpha</math>SpIIs) acts as a scaffold to enhance interactions between FANCC and FANCA to form a nuclear complex (4,5). Another binding partner of FANCC is the BTB/POZ domain containing protein FAZF, which is a transcriptional repressor (6). In hematopoietic cells expressing mutant FANCC, PKR is constitutively phosphorylated and has increased binding affinity for double-stranded RNA (7,8), which suggests that FANCC indirectly suppresses the activity of PKR. These cells are also apoptotic and are hypersensitive to IFN<math>\gamma</math> and TNF<math>\alpha</math> (8). In addition, FANCC protein is involved in the activation of STAT1 through receptors for at least three hematopoietic growth and survival factors (8).</p>
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Gene ID:	2176
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Pathways:	<a href="#">DNA Damage Repair</a>
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## Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Concentration:	1 $\mu$ g/ $\mu$ L
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months