

Datasheet for ABIN129608
anti-FANCC antibody (AA 96-112)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	FANCC
Binding Specificity:	AA 96-112
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FANCC antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 96-112 of Human FANCC.
Isotype:	IgG
Cross-Reactivity:	Chimpanzee
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	FANCC
Alternative Name:	FANCC (FANCC Products)

Target Details

Background:	<p>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 progressive pancytopenia, a diverse assortment of congenital malformations, and</p> <p>Synonyms: bA80I15.1 antibody, FA 3 antibody, FA3 antibody, FAC antibody, FACC antibody, Fanconi anemia complementation group C antibody</p>
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Gene ID:	2176, 56118236
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UniProt:	Q00597
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Pathways:	DNA Damage Repair
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Application Details

Application Notes:	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.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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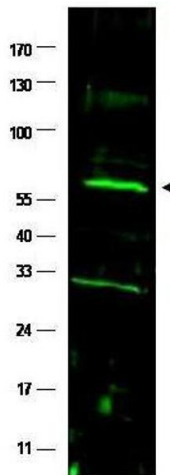
Concentration:	1.45 mg/mL
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Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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Preservative:	Sodium azide
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Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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Western Blotting

Image 1. Western blot using 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 35 µg 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 (B501-0500). The membrane was washed and reacted with a 1:10,000 dilution of 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). 800 fluorescence image was captured using the Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.