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Datasheet for ABIN1700940

anti-FANCC antibody (AA 61-160) (Biotin)

Overview

Quantity:	100 µL
Target:	FANCC
Binding Specificity:	AA 61-160
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FANCC antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

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 (FANCC Products)

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 α-spectrin II (designated αSpIIs) 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 IFNγ and TNFα (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:	DNA Damage Repair
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Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 μ g/ μ 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 for 12 months.
Expiry Date:	12 months