FANCC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FANCC, Polyclonal Antibody
Full Product Name	FANCC (Fanconi Anemia Group C Protein, Protein FACC, FAC, FACC) (MaxLight 650)
Product Gene Name	anti-FANCC antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human FANCC.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	63,429 Da
Chromosome Location	Chromosome: 9; NC_000009.11 (97861336..98079991, complement). Location: 9q22.3
OMIM	phenotype 613899
3D Structure	ModBase 3D Structure for Q00597
Immunogen	Full length human FANCC, aa1-558 (NP_000127.2).
Immunogen Sequence	MAQDSVDLSCDYQFWMQKLSVWDQASTLETQQDTCLHVAQFQEFLRKMYEALKEMDSNTVIERFPTIGQLLAKACWNPFILAYDESQKILIWCLCCLINK
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-FANCC antibody	Antibodies; DNA Repair/Damage
Applications Tested/Suitable for anti-FANCC antibody	Western Blot (WB)
Application Notes for anti-FANCC antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-FANCC antibody	The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, F
Other Notes	Small volumes of anti-FANCC antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for FANCC purchase	MBS6378105 is an antibody targeting FANCC. Also known as FANCC (Fanconi Anemia Group C Protein, Protein FACC, FAC, FACC) (MaxLight 650).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FANCC. It may not necessarily be applicable to this product.

NCBI GI #	56118236
NCBI GeneID	2176
NCBI Accession #	NP_000127.2
UniProt Primary Accession #	Q00597
UniProt Secondary Accession #	B1ALR8
UniProt Related Accession #	Q00597
GenBank Nucleotide #	NM_000136.2
NCBI Official Full Name	Fanconi anemia group C protein isoform a
NCBI Official Synonym Full Names	Fanconi anemia, complementation group C
NCBI Official Symbol	FANCC
NCBI Official Synonym Symbols	FA3; FAC; FACC
UniProt Protein Name	Fanconi anemia group C protein
Protein Family	Fanconi anemia group C protein
UniProt Gene Name	FANCC
UniProt Synonym Gene Names	FAC; FACC; Protein FACC
UniProt Entry Name	FANCC_HUMAN
NCBI Protein Information	Fanconi anemia group C protein

UniProt Comments for FANCC	FANCC: DNA repair protein that may operate in a postreplication repair or a cell cycle checkpoint function. May be implicated in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability. Upon IFNG induction, may facilitate STAT1 activation by recruiting STAT1 to IFNGR1. Defects in FANCC are the cause of Fanconi anemia complementation group C (FANCC). A disorder affecting all bone marrow elements and resulting in anemia, leukopenia and thrombopenia. It is associated with cardiac, renal and limb malformations, dermal pigmentary changes, and a predisposition to the development of malignancies. At the cellular level it is associated with hypersensitivity to DNA-damaging agents, chromosomal instability (increased chromosome breakage) and defective DNA repair. Chromosomal Location of Human Ortholog: 9q22.3 Cellular Component: nucleoplasm; cytoplasm; nucleus; cytosol Molecular Function: protein binding Biological Process: removal of superoxide radicals; nucleotide-excision repair; myeloid cell homeostasis; protein complex assembly; DNA repair; germ cell development Disease: Fanconi Anemia, Complementation Group C; Tracheoesophageal Fistula With Or Without Esophageal Atresia
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