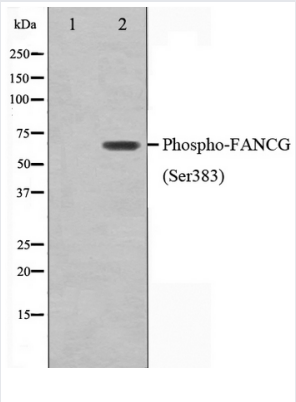
FANCG Antibody

PRODUCT OVERVIEW

Product Name	FANCG, Antibody
Full Product Name	Phospho-FANCG (Ser383) Antibody
Product Gene Name	anti-FANCG antibody
Product Synonym Names	DNA repair protein XRCC9; FAG; FANCG; Fanconi anemia group G protein; Fanconi anemia; complementation group G; Protein FACG; X-ray repair complementing defective repair in Chinese hamster cells 9; X-ray repair; complementing defective; in Chinese hamster
Species Reactivity	Human
Form/Format	In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Immunogen affinity purified
Specificity	Phospho-FANCG(Ser383) Antibody detects endogenous levels of FANCG only when phosphorylated at Sersine 383
Preparation and Storage	Store at-20 degree C for 1 year
Molecular Weight	69kDa
OMIM	602956
3D Structure	ModBase 3D Structure for O15287
Immunogen	A synthesized peptide derived from human FANCG around the phosphorylation site of Sersine 383
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-FANCG antibody	Western Blot (WB)
Application Notes for anti-FANCG antibody	WB: 1:500-1:2000
Related Product Information for anti-FANCG antibody	FANCG 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. Candidate tumor suppressor gene. Belongs to the multisubunit FA complex composed of FANCA, FANCB, FANCC, FANCE, FANCF, FANCG, FANCL/PHF9 and FANCM. The complex is not found in FA patients. Note: This description may include information from UniProtKB.
Other Notes	Small volumes of anti-FANCG antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FANCG purchase	MBS8510580 is an antibody targeting FANCG. Also known as Phospho-FANCG (Ser383) Antibody. Reactive in Human.



Western Blot (WB) of anti-FANCG antibody
Western blot analysis on K562 cell lysate using Phospho-FANCG (Ser383) Antibody

ADDITIONAL DETAILS

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

NCBI GI #	4759336
NCBI GeneID	2189
NCBI Accession #	NP_004620.1
UniProt Primary Accession #	O15287
UniProt Related Accession #	O15287
GenBank Nucleotide #	NM_004629.1
NCBI Official Full Name	Fanconi anemia group G protein
NCBI Official Synonym Full Names	FA complementation group G
NCBI Official Symbol	FANCG
NCBI Official Synonym Symbols	FAG; XRCC9
UniProt Protein Name	Fanconi anemia group G protein
UniProt Synonym Protein Names	DNA repair protein XRCC9
Protein Family	Fanconi anemia group G protein
UniProt Gene Name	FANCG
UniProt Synonym Gene Names	XRCC9; Protein FACG
NCBI Protein Information	Fanconi anemia group G protein
NCBI Summary for FANCG	The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCJ (also called BRIP1), FANCL, FANCM and FANCN (also called PALB2). The previously defined group FANCH is the same as FANCA. Fanconi anemia is a genetically heterogeneous 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 G. [provided by RefSeq, Jul 2008]
UniProt Comments for FANCG	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. Candidate tumor suppressor gene.
Research Articles on FANCG	**1.** LOH may predominantly indicate copy number gains in FANCF and losses in FANCG and BRIP1. Integration of copy number data and gene expression proved difficult as the available sample sets did not overlap.

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