

Anti-FANCG antibody ab5067

[3 References](#) [1 Image](#)

Overview

Product name	Anti-FANCG antibody
Description	Rabbit polyclonal to FANCG
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide: MSRQTTSVGSSC , corresponding to amino acids 1 - 12 of Human FANCG. Run BLAST with Run BLAST with
Positive control	Recombinant Human FANCG protein (ab114925) can be used as a positive control in WB.
General notes	Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of opening. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 0.424% Potassium phosphate, 0.878% Sodium chloride
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab5067 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500. Detects a band of approximately 69 kDa (predicted molecular weight: 69 kDa).

Target

Function

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.

Tissue specificity

Highly expressed in testis and thymus. Found in lymphoblasts.

Involvement in disease

Defects in FANCG are a cause of Fanconi anemia (FA) [MIM:227650]. FA is a genetically heterogeneous, autosomal recessive disorder characterized by progressive pancytopenia, a diverse assortment of congenital malformations, 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.

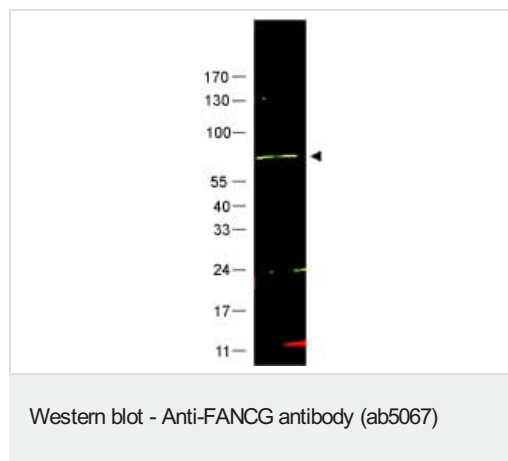
Sequence similarities

Contains 4 TPR repeats.

Cellular localization

Nucleus. Cytoplasm. The major form is nuclear. The minor form is cytoplasmic.

Images



Anti-FANCG antibody (ab5067) at 1/500 dilution + HeLa whole cell lysate at 35 µg

Secondary

IRDye 800 conjugated Goat anti-Rabbit IgG [H&L] at 1/10000 dilution

Performed under reducing conditions.

Predicted band size: 69 kDa

Observed band size: 69 kDa

Additional bands at: 11 kDa, 24 kDa. We are unsure as to the identity of these extra bands.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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