

# Product Datasheet

## FANCG Antibody NB100-2566

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NB100-2566****FANCG Antibody****Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Unpurified
<b>Buffer</b>	Whole antisera
<b>Target Molecular Weight</b>	69 kDa

**Product Description**

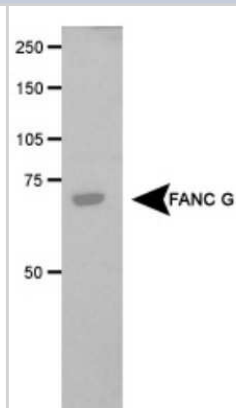
<b>Host</b>	Rabbit
<b>Gene ID</b>	2189
<b>Gene Symbol</b>	FANCG
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: mouse (88%).
<b>Immunogen</b>	A peptide corresponding to the C-terminus of human FANCG (within amino acids 550-622). [SwissProt# O15287]

**Product Application Details**

<b>Applications</b>	Western Blot, Immunoblotting
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunoblotting reported in scientific literature (PMID 24910428)
<b>Application Notes</b>	In Western Blot, a band is seen at approximately 69 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

**Images**

Western Blot: FANCG Antibody [NB100-2566] - Detection of FANCG in transfected COS1 cell lysate.



## Publications

MY Cai, CE Dunn, W Chen, BS Kochupurak, H Nguyen, LA Moreau, GI Shapiro, K Parmar, D Kozono, AD D'Andrea  
Cooperation of the ATM and Fanconi Anemia/BRCA Pathways in Double-Strand Break End Resection Cell Rep, 2020  
-02-18;30(7):2402-2415.e5. 2020-02-18 [PMID: 32075772]

Li N, Ding L, Li B et al. Functional Analysis of Fanconi Anemia Mutations in China. Exp. Hematol. 2018-07-18 [PMID:  
30031030] (WB, Human)

Huang Y, Leung JW, Lowery M et al. Modularized functions of the Fanconi anemia core complex. Cell Rep 2014-06-  
26 [PMID: 24910428]

Wang Y, Leung JW, Jiang Y et al. FANCM and FAAP24 Maintain Genome Stability via Cooperative as Well as  
Unique Functions. Mol Cell 2013-01-16 [PMID: 23333308] (WB, Human)

Park, S et al. Oxidative stress/damage induces multimerization and interaction of Fanconi anemia proteins. J Biol  
Chem;279(29):30053-9. 2004-07-16 [PMID: 15138265]





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### **Products Related to NB100-2566**

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NBL1-10589	FANCG Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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