

# Product Datasheet

## FANCD2 [p Ser222] Antibody - BSA Free NB100-502

Unit Size: 0.2 ml

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

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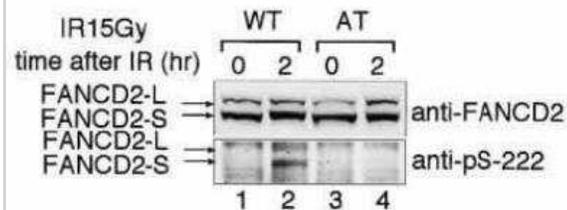


**NB100-502****FANCD2 [p Ser222] Antibody - BSA Free**

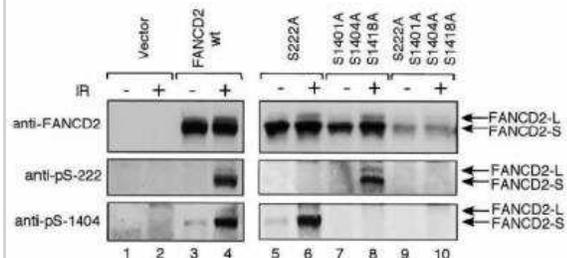
<b>Product Information</b>	
<b>Unit Size</b>	0.2 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.1% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Unpurified
<b>Buffer</b>	Whole antisera
<b>Target Molecular Weight</b>	164.1 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit FANCD2 [p Ser222] Antibody - BSA Free (NB100-502) is a polyclonal antibody validated for use in WB. Anti-FANCD2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	2177
<b>Gene Symbol</b>	FANCD2
<b>Species</b>	Human
<b>Immunogen</b>	This FANCD2 [p Ser222] Antibody was developed against a synthetic peptide made to human FANCD2 (residues 217-226), surrounding the phosphorylated Serine 222. [Swiss-Prot# Q9BXW9]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	Western Blot 1:100-1:500
<b>Application Notes</b>	This FANCD2 [p Ser222] antibody is useful for Western Blot. 1:400 dilution recommended for PD20 FANCD2 overexpressing cells, 1:100 for HeLa cells, 1:200 for other cell types.

## Images

Western Blot: FANCD2 [p Ser222] Antibody [NB100-502] - Indicated lymphoblasts (PD7, WT: GM1526, AT) were irradiated with 15 Gy (2), and immunoblotted with anti-FANCD2 and anti-FANCD2 (pS-222)



Western Blot: FANCD2 [p Ser222] Antibody [NB100-502] - FA-D2 fibroblasts were stably transfected with either pMMP (empty vector, A), FANCD2 (wt, B), FANCD2 [p Ser222] Antibody (C), FANCD2 (triple mutant, D), or FANCD2 (quadruple mutant, E).



## Publications

S Inano, K Sato, Y Katsuki, W Kobayashi, H Tanaka, K Nakajima, S Nakada, H Miyoshi, K Knies, A Takaori-Ko, D Schindler, M Ishiai, H Kurumizaka, M Takata RFD3-Mediated Ubiquitination Promotes Timely Removal of Both RPA and RAD51 from DNA Damage Sites to Facilitate Homologous Recombination *Mol. Cell*, 2017-06-01;66(5):622-634.e8. 2017-06-01 [PMID: 28575658]

Ceccaldi R, Briot D, Larghero J, et al. Spontaneous abrogation of the G2DNA damage checkpoint has clinical benefits but promotes leukemogenesis in Fanconi anemia patients *J Clin Invest* 2011-01-01 [PMID: 21183791]

Taniguchi, T et al. Convergence of the fanconi anemia ataxia telangiectasia signaling pathways. *Cell* 109(4): 459-472. 2002-01-01 [PMID: 12086603] (WB, Human)



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### Products Related to NB100-502

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB100-502PEP	FANCD2 Antibody Blocking Peptide

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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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