

# Product Datasheet

## FANCD2 Antibody (1290D) - BSA Free NBP2-54808

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-54808**

FANCD2 Antibody (1290D) - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1290D
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A or G purified from cell culture supernatant
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	164.1 kDa

**Product Description**

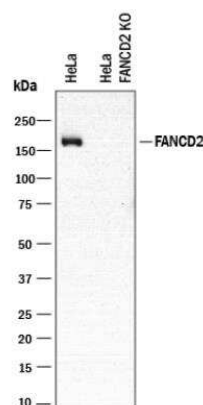
<b>Host</b>	Rabbit
<b>Gene ID</b>	2177
<b>Gene Symbol</b>	FANCD2
<b>Species</b>	Human
<b>Immunogen</b>	This FANCD2 Antibody (1290D) was developed against human FANCD2 fusion protein (N-terminal fragment). [Swiss-Prot #Q9BXW9]

**Product Application Details**

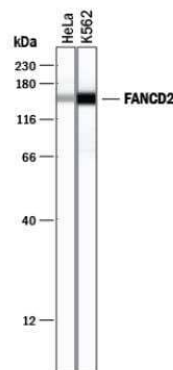
<b>Applications</b>	Western Blot, Simple Western, Flow Cytometry, Flow (Intracellular), Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 0.1 - 0.5 ug/ml, Simple Western 1 ug/ml, Flow Cytometry 1 ug/ml, Immunohistochemistry 5-10 ug/ml, Immunohistochemistry-Paraffin 5-10 ug/ml, Flow (Intracellular), Knockout Validated

**Images**

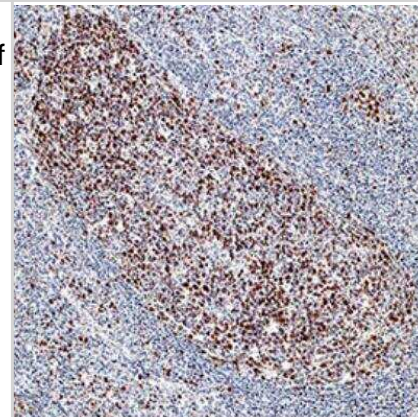
Western Blot: FANCD2 Antibody (1290D) [NBP2-54808] - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and FANCD2 knockout (KO) HeLa cell line. PVDF membrane was probed with 0.1 ug/mL of Rabbit Monoclonal (Catalog # NBP2-54808) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog #HAF008). Specific band was detected for FANCD2 at approximately 150 kDa (as indicated) in the parental HeLa cell line, but is not detectable in the knockout HeLa cell line. This experiment was conducted under reducing conditions.



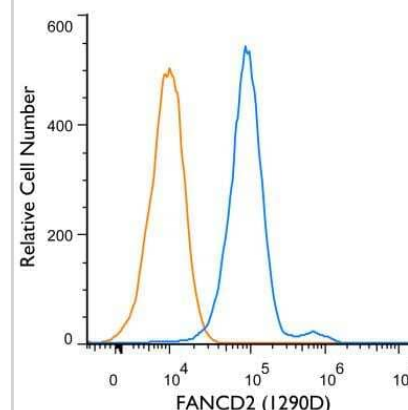
**Simple Western: FANCD2 Antibody (1290D) [NBP2-54808] - Detection of Human FANCD2 by Simple Western using FANCD2 Antibody (1290D) in HeLa and K562 cell lysate.**



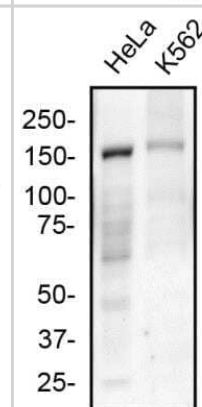
**Immunohistochemistry: FANCD2 Antibody (1290D) [NBP2-54808] - FANCD2 was detected in immersion fixed paraffin-embedded sections of human tonsil using Rabbit Anti-Human FANCD2 Antibody (1290D) (Catalog # NBP2-54808) at 5 ug/mL for 1 hour at room temperature followed by incubation with the Anti-Rabbit IgG VisUCyte(TM) HRP Polymer Antibody (Catalog # VC003). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to nuclei.**



**Flow (Intracellular): FANCD2 Antibody (1290D) [NBP2-54808] - An intracellular stain was performed on HeLa Cells with FANCD2 Antibody (1290D) (blue) and a matched isotype control MAB1050 (orange). Cells were fixed with 4% paraformaldehyde, following fixation, cells were permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by rabbit IgG APC-conjugated secondary antibody (F0111, R&D Systems).**



**Western Blot: FANCD2 Antibody (1290D) [NBP2-54808] - Total protein from HeLa and K562 cells (Molecular weight: 164.1 KDa) was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 0.1 ug/ml FANCD2 Antibody (1290D) (catalog number NBP2-54808) in blocking buffer and detected with an anti-rabbit HRP secondary antibody using chemiluminescence.**





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### **Products Related to NBP2-54808**

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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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