

FANCD2 (1436:1451) Antibody Data Sheet

HGNC: FA complementation group D2

Antibody ID: D0408

Animal: 0787, 0789

Synonyms: "FANCD2-2"

Type: Affinity Purified Rabbit Polyclonal

Antigen: 1436:1451

Peptide Sequence: CAGEKEQDSDESYDDSD

Assay: WB

Confirmed Species Cross-Reactivity: Human

Supplier: Open Biosystems

Project Number: 0408

Individual Animal Serum/Unpurified Serum Available: YES

Storage: This antibody is stored in PBS should be kept at 4°C. Avoid freeze/thaws.

Feedback Required:

All users are required to submit use-data. Please refer to the [FARM Antibodies page](#) for instructions on how to submit.

Citing FARM:

All users are required to cite FARM in publications. Please refer to the [FARM Publications page](#) for instructions on how to cite.

FANC antiserum Western test results -

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Experimental Set-Up:

Cell Line: U-2 OS

Control(s): cell line expresses D2. (Ideally, use a positive and negative pair ± an epitope-tagged transgene for unambiguous detection/identification)

Treatment: Mitomycin C

Protein: FANCD2

Western Blot Conditions:

Samples Loaded: Whole cell lysate, 40 ug/well

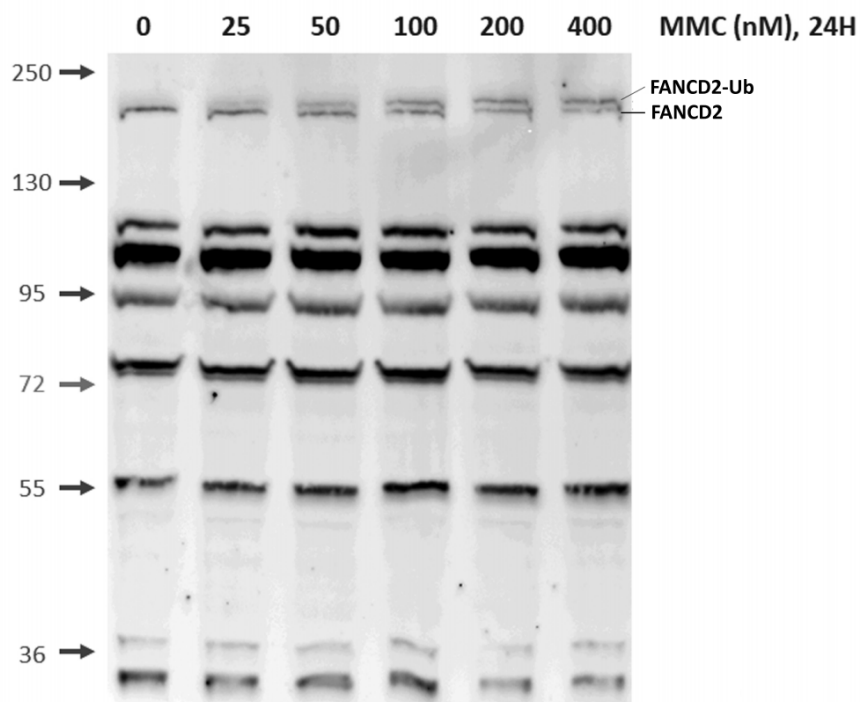
SDS Page: 4-12% Bis-Tris Gel, 1.5mm x10 well (Invitrogen, NP0335BOX)

Transfer Condition: Membrane - PVDF or NC (Electro-transfer)

Detection: Fluorescence, via secondary

	Primary Antibody: Rabbit anti-FANCD2	Secondary Antibody: Donkey anti-Rb IgG, AF488
Source	FARF, FANCD2 (1436:1451), G0787	Invitrogen, A21206
Concentration	0.42 mg/ml in PBS	2 mg/ml in PBS
Dilution	1:420	1:1000
Final Concentration	1 ug/ml in TBST (+5% FBS)	2 ug/ml in TBST (+5% nonfat milk)
Incubation Temp/Time	4°C / Overnight	

Results:



Last Updated: July 2021

Interpretation:

A band of the correct molecular weight was observed showing that it could represent the monoubiquitination of FANCD2 was observed after 24 hours after various concentrations between 25 nM and 400 nM. The additional lighter weight bands below 130 kDa are non-specific and unrelated to DNA damage or repair.