

FANCC (41:56) Antibody Data Sheet

HGNC: FA complementation group C

Antibody ID: C3831

Animal: J3584 & J3585 mixed

Synonyms: "FANCC"

Type: Affinity Purified Rabbit Polyclonal

Antigen: 41:56

Peptide Sequence: FQEFLRKMYEALKEMDC

Assay: N/A

Confirmed Species Cross-Reactivity: N/A

Supplier: NEP

Project Number: 3831

Individual Animal Serum/Unpurified Serum Available: YES

Storage: This antibody is stored in 50% Glycerol, .05% Azide, and 1% BSA and can be kept at 4°C or -20°C safely.

- Due to the presence of BSA in the buffer, non-BSA based blocking solutions may be helpful in limiting background signal.

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.

Use-data donated by Dr Sertorio at Cincinnati Children's Hospital Medical Center
Mathieu.Sertorio@cchmc.org

Experimental Set-Up:

Cell Line: VU1131 FANCC and S91, VU1365 FANCA and S91, OHSU-974 FANCA and S91

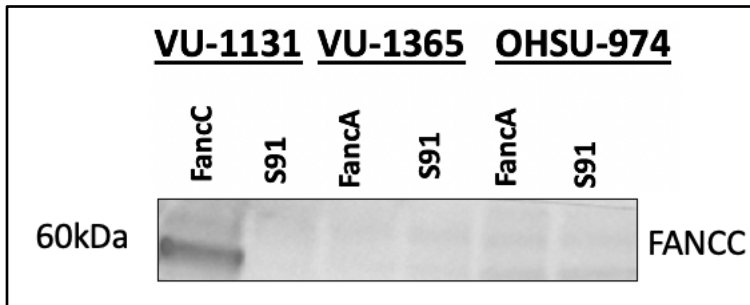
Western Blot Conditions:

Samples Loaded: Whole cell lysates were prepared and 30 µg of protein loaded

Detection: Chemiluminescence (Clarity Western ECL Substrate)

	Primary Antibody: FARF FANCC (41:56)	Secondary Antibody:
Source	Rabbit	ECL Anti-Rabbit HRP Secondary
Concentration		
Dilution	1:1000	1:5000
Final Concentration		
Incubation Temp/Time	Overnight, 4°C	Room Temperature, 1 hour

Results



1. VU1131 are FancC deficient cell lines and VU1365 are Fanca deficient cell lines.
2. S91 is the empty expression vector. When it's indicated S91 it is the deficient cells, and when the FA protein is indicated, the cells re-express the deficient FA gene.

Interpretation

Western Blot detection of FANCC in FANCC proficient whole cell lysates. Absent detection of FANCC in FANCC deficient cells.

Last Updated: December 2024

Use-data donated by Professor Carreau at Laval University. madeleine.carreau@fmed.ulaval.ca

Experimental Set-Up:

Cell Line: HEK293T and PD331/C

Control(s): NO

Treatment: NO

Protein: FANCC

Western Blot Conditions:

Samples Loaded: ≈25ug

SDS Page: 10%

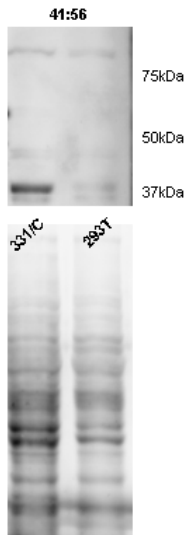
Transfer Condition: Trans-Blot Turbo Transfer System 25V, 10 min , Biorad

Transfer buffer 1X

Detection: Chemiluminescence

	Primary Antibody: FANCC (41:56)	Secondary Antibody: AffiniPure Goat Anti-Rabbit IgG (H+L)
Source	Rabbit - FARF	Jackson ImmunoResearch
Concentration	0.48 mg/ml	0,8mg/mL
Dilution	1:200	1:10000
Final Concentration	0.24 ug/ml	0,08ug/mL
Incubation Temp/Time	Over night 4°C	1 hour room temp.

Results:



Interpretation:

Antibody didn't recognize FANCC. Only something unspecific around ≈37kDa.

Last Updated: December 2024

Donating Investigators:

Aimin Peng (penga@unc.edu) and Odjo Germain Gouttia (ggouttia@unc.edu) at University of North Carolina 12/16/2024

Experimental Set-Up:

Cell Line: **HaCaT**

Control(s):

Treatment:

Protein: **FANC C (41:56)**

Western Blot Conditions:

Samples Loaded: **10µl SDS sample buffer**

SDS Page: **Yes**

Transfer Condition: **wet transfer**

Detection:

	Primary Antibody: NAME	Secondary Antibody: NAME
Source	FARF	
Concentration	0.48 mg/ml	
Dilution	1:1000	1:1000
Final Concentration	0.48ug/ml	0.00048ug/ml
Incubation Temp/Time	Overnight at 4 degrees Celsius	1 hour room temperature

Results:



Interpretation:

Last Updated: December 2024