

## FANCC (541:558) Antibody Data Sheet

**HGNC:** FA complementation group C

**Antibody ID:** C0404

**Animal** (Use-data, see below): **9098** (good), **4695** (OK), **4696** (not great)

**Synonyms:** "FANCC-2"

**Type:** Affinity Purified Rabbit Polyclonal

**Antigen:** 541:558

**Peptide Sequence:** CPRSEKLARELLKELRTQV

**Assay:** WB

**Confirmed Species Cross-Reactivity:** Human

**Supplier:** Open Biosystems

**Project Number:** 0404

**Individual Animal Serum/Unpurified Serum Available:** YES

**Storage:**

- Animal ID **9098** is stored in PBS should be kept at 4°C. Avoid freeze/thaws.
- Animal IDs **4695** and **4696** are 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.

**Animal ID: 9098**

Use-data donated by Professor Carreau at Laval University. [madeleine.carreau@fmed.ulaval.ca](mailto:madeleine.carreau@fmed.ulaval.ca)

**Experimental Set-Up:**

Cell Line: HEK293T / PD331-PD331/C

Control(s): Positive or Negative control - Ideally a cell line that also expresses protein/lacks the protein

Treatment: NO

Protein: FANCC

**Western Blot Conditions:**

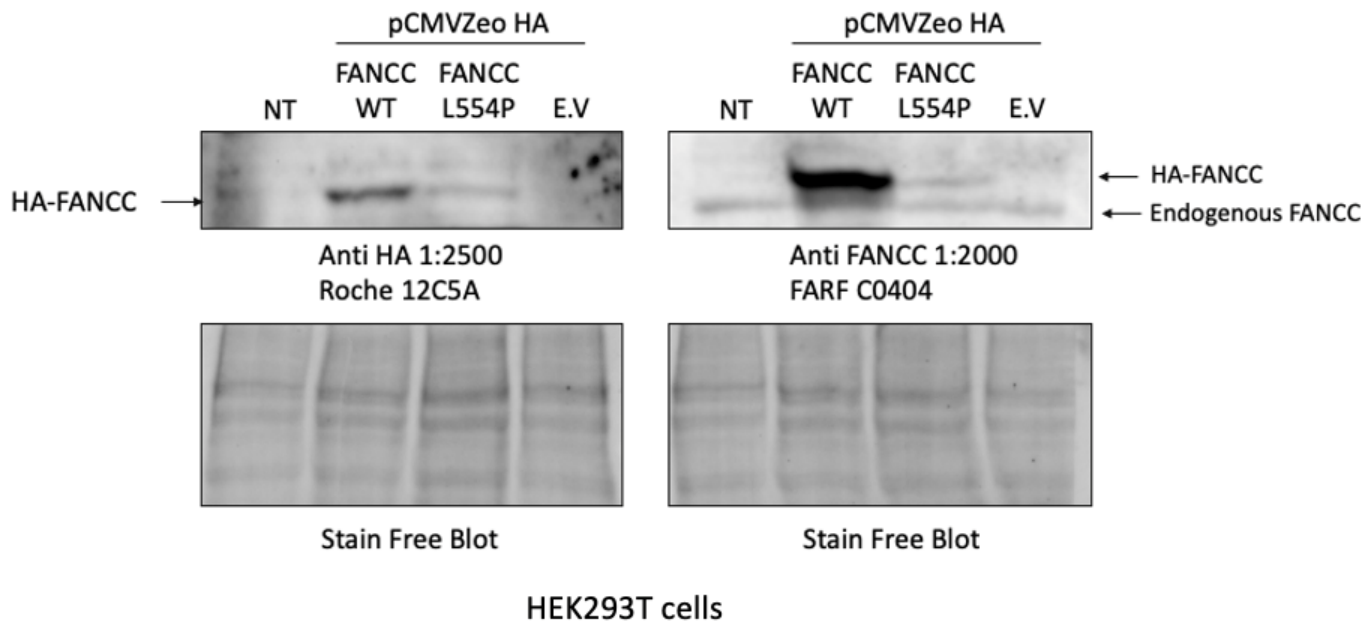
Samples Loaded:

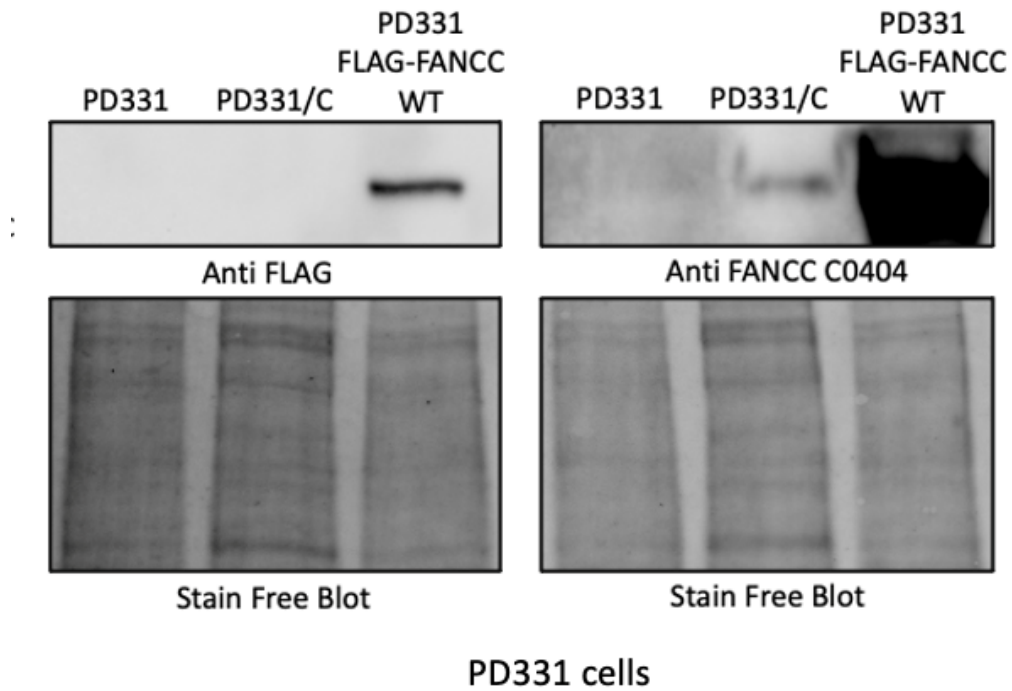
SDS Page: HEK 293T = 6% gel / PD331 = 8% gel

Transfer Condition: Transblot 25V 13mins , Biorad Transfer buffer 1X

Detection: Chemiluminescence

	Primary Antibody:	Secondary Antibody:
Source	FARF FANCC <b>9098</b> (FANCC (541:558))	Jackson Immuno 111-035-003
Concentration	0,98 mg/mL	0,8mg/mL
Dilution	1:2000	1:10 000
Final Concentration	0,5ug/mL	0,08ug/mL
Incubation Temp/Time	1H RT	1H RT

**Results:**



**Interpretation:**

Antibody is working well and recognize the wild-type form of FANCC and barely FANCC-L554P but does not recognize the R548X mutant form of FANCC (as predicted).

Use-data donated by Dr Sertorio at Cincinnati Children's Hospital Medical Center  
[Mathieu.Sertorio@cchmc.org](mailto:Mathieu.Sertorio@cchmc.org)

### Experimental Set-Up:

Cell Line: VU1131 FANCC and S91, VU1365 FANCA and S91

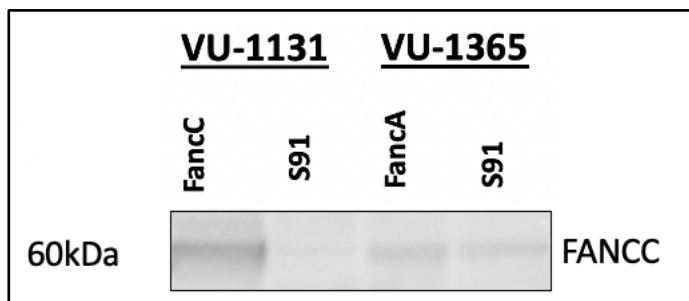
### Western Blot Conditions:

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

Detection: Chemiluminescence (Clarity Western ECL Substrate)

	Primary Antibody: FANCC (541:558) <b>9098</b>	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

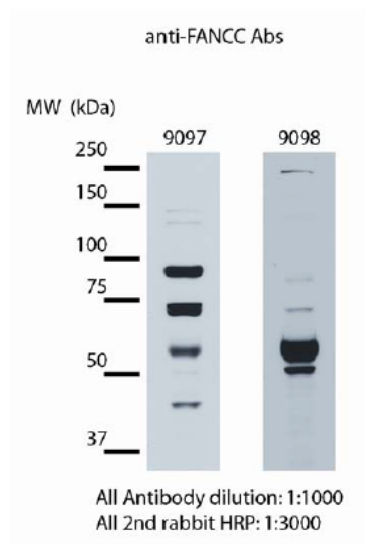


1. VU1131 are FancC deficient cell lines and VU1365 are FancA deficient cell lines.

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.



Project number: BK040403, BK040404  
FANC protein: FANCC-1, FANCC-2  
FANC antibody: B9097 (BK040403), B9098 (BK040404)  
Application: Western  
Submitter/date: Tony Huang, date unknown  
Dilution: 1:1000

Text result report:

*FANCC-2(C-404): 1:300(WB)*  
*see band at 60kDa on Hela cells*

Project number: BK040404  
FANC protein: FANCC-2  
FANC antibody: B9098 or B9099  
Application: Western  
Submitter/date: Filippo Rosselli, date unknown  
Dilution: 1:300

## Text result report:

*FANCC (C-404): 1:250 (WB) on endogenous protein extracts  
(not clear, lot of background)*

Project number: BK040404

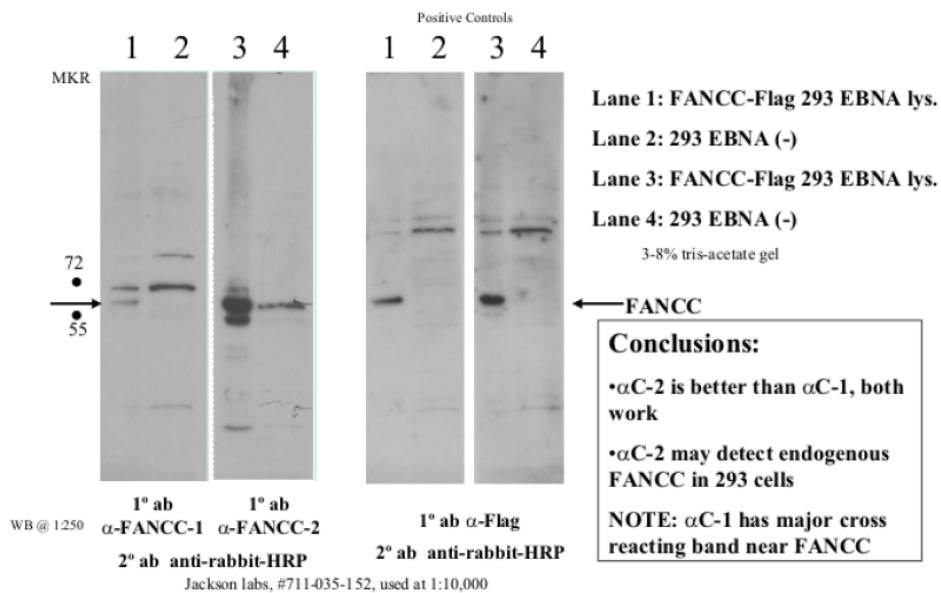
FANC protein: FANCC-2

FANC antibody: B9098 or B9099

Application: Western

Submitter/date: Madeleine Carreau, date unknown

Dilution: 1:250



Project number: BK040403, BK040404

FANC protein: FANCC-1, FANCC-2

FANC antibody: B9096 or B9097, B9098 or B9099

Application: Western

Submitter/date: Maureen Hoatlin, date unknown

Dilution: 1:250

Text result report:

*FANCC (C-404) --> 1:250 (WB) on overexpressed proteins extracts*

Project number: BK040404  
FANC protein: FANCC-2  
FANC antibody: B9098 or B9099  
Application: Western  
Submitter/date: Madeleine Carreau, date unknown  
Dilution: 1:250

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Text result report:

*FANCC-2(C-404): 1:300(WB)  
see band at 60kDa on Hela cells*

Project number: BK040404  
FANC protein: FANCC-2  
FANC antibody: B9098 or B9099  
Application: Western  
Submitter/date: Felippo Rosselli, date unknown  
Dilution: 1:300

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Text result report:

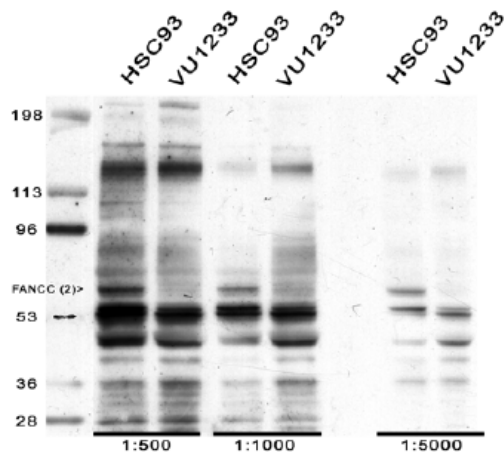
*FANCC-2 ; C0404 R9098  
I used this anti-FANCC antibody in Western blot at 1/300 dilution  
(secondary HRP-conjugated at 1/2000) . It recognizes a band around 60kDa in  
HeLa cells. This band is lost in cells transfected with siRNAs against  
FANCC. Thus this antibody is specific.*

Project number: BK040404  
FANC protein: FANCC-2  
FANC antibody: B9098  
Application: Western  
Submitter/date: e-Huges Guervilly, date unknown  
Dilution: 1:300

Text result report:

Antibody	Direct WB	IP > WB		remarks
FANCC (2)	Visible (1:5000) See picture #1	Not visible	✓	Direct WB: Very clear band

Picture #1:



Project number: BK040404

FANC protein: FANCC-2

FANC antibody: B9098 or B9099

Application: Western

Submitter/date: Johan de Winter, date unknown

Dilution: 1:1000



**Animal ID: 4695**

Use-data donated by Professor Carreau at Laval University. [madeleine.carreau@fmed.ulaval.ca](mailto: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

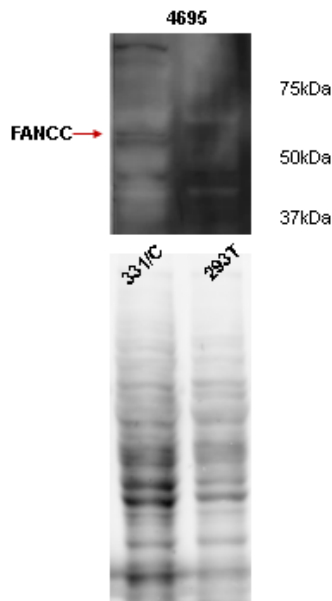
SDS Page: 10%

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

Transfer buffer 1X

Detection: Chemiluminescence

	Primary Antibody: <b>FANCC (541:558)</b> <b>4695</b>	Secondary Antibody: <b>AffiniPure Goat Anti-Rabbit IgG</b> <b>(H+L)</b>
Source	Rabbit - FARF	Jackson ImmunoResearch
Concentration	1.3 mg/ml	0,8mg/mL
Dilution	1:200	1:10000
Final Concentration	0.65 ug/ml	0,08ug/mL
Incubation Temp/Time	Over night 4°C	1 hour room temp.

**Results:****Interpretation:**

It seems that the antibody recognizes FANCC in the PD331/C but not very clear and at a high time of exposition.

**Animal ID: 4696**

Use-data donated by Professor Carreau at Laval University. [madeleine.carreau@fmed.ulaval.ca](mailto: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

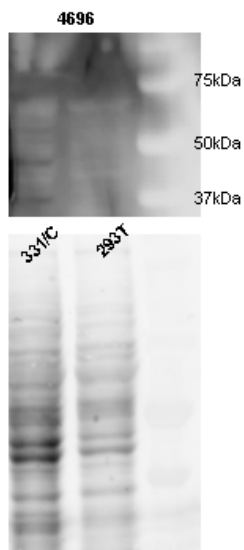
SDS Page: 10%

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

Transfer buffer 1X

Detection: Chemiluminescence

	Primary Antibody: <b>FANCC (541:558)</b> <b>4696</b>	Secondary Antibody: <b>AffiniPure Goat Anti-Rabbit IgG</b> <b>(H+L)</b>
Source	Rabbit - FARF	Jackson ImmunoResearch
Concentration	1.1 mg/ml	0,8mg/mL
Dilution	1:200	1:10000
Final Concentration	0.55 ug/ml	0,08ug/mL
Incubation Temp/Time	Over night 4°C	1 hour room temp.

**Results:****Interpretation:**

Antibody didn't recognize FANCC.