

For Research Use Only

# FANCA Polyclonal antibody

Catalog Number: 11975-1-AP

Featured Product

4 Publications



## Basic Information

**Catalog Number:**

11975-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2598

**GenBank Accession Number:**

BC008979

**GeneID (NCBI):**

2175

**UNIPROT ID:**

O15360

**Full Name:**

Fanconi anemia, complementation group A

**Calculated MW:**

163 kDa

**Observed MW:**

163 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:5000

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

WB, IP, IF, IHC

**Species Specificity:**

human

**Cited Species:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : COLO 320 cells, HeLa cells

IHC : human colon cancer tissue,

## Background Information

FANCA, also named as FAA, FACA and FANCH, is a DNA repair protein that may operate in a postreplication repair or a cell cycle checkpoint function. It's involved in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability.

## Notable Publications

| Author         | Pubmed ID | Journal             | Application |
|----------------|-----------|---------------------|-------------|
| Amanpreet Kaur | 33660437  | EMBO Mol Med        | WB          |
| Xinlin Xu      | 34117478  | Nat Struct Mol Biol | WB          |
| Yu Feng        | 29621589  | Gene                | IHC,IF,IP   |

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

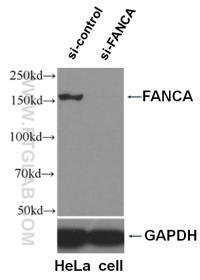
T: 4006900926

E: Proteintech-CN@ptglab.com

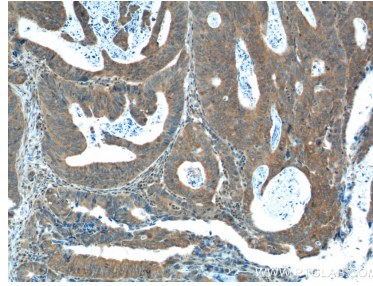
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

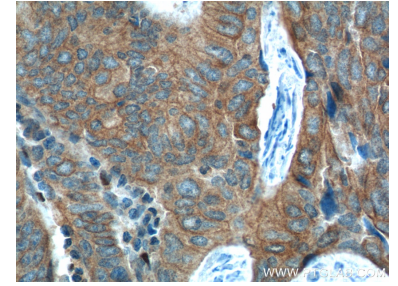
## Selected Validation Data



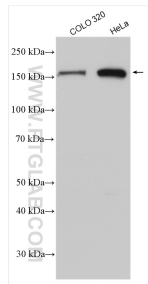
WB results of FANCA (11975-1-AP, 1:500) with si-control and si-FANCA transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11975-1-AP (FANCA Antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11975-1-AP (FANCA Antibody) at dilution of 1:100 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 11975-1-AP (FANCA antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.