

For Research Use Only

# FANCL Polyclonal antibody

Catalog Number: 14454-1-AP

Featured Product



## Basic Information

**Catalog Number:**

14454-1-AP

**Size:**

227 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6031

**GenBank Accession Number:**

BC054517

**GeneID (NCBI):**

55120

**UNIPROT ID:**

Q9NW38

**Full Name:**

Fanconi anemia, complementation

group L

**Calculated MW:**

43 kDa

**Observed MW:**

28 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Species Specificity:**

human, mouse, rat

**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: A549 cells, HEK-293 cells, HEK-cells, Hela cells, HepG2 cells

IHC: human kidney tissue, human lung cancer tissue

## Background Information

Fanconi anemia (FA) is a hereditary bone marrow failure syndrome associated with developmental defects and cancer predisposition. The FA nuclear core complex consists of FANCA, B, C, E, F, G, L, and M. FANCL is a RING-type E3 ubiquitin ligase that monoubiquitinates FANCD2 and FANCI, a key functional role facilitated by other members of the nuclear core complex (PMID: 23783032). FANCL plays an important role in the repair of cisplatin-induced DNA damage (PMID: 26385482) and participates directly in support of stem cell function (PMID: 23783032). FANCL can be detected as 40-43 kDa (full-length) and ~28 kDa.

## 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:

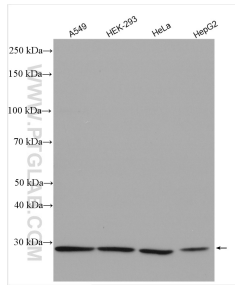
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

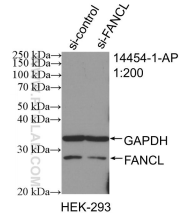
W: [ptgcn.com](http://ptgcn.com)

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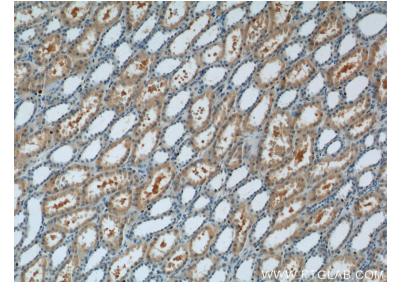
## Selected Validation Data



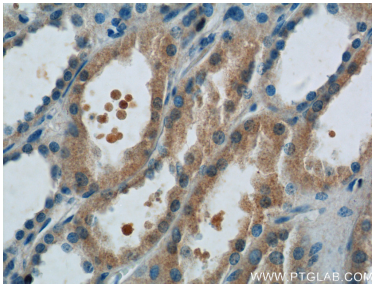
A549 cells were subjected to SDS PAGE followed by western blot with 14454-1-AP (FANCL antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



WB result of FANCL antibody (14454-1-AP; 1:200; incubated at room temperature for 1.5 hours) with sh-Control and sh-FANCL transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14454-1-AP (FANCL Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14454-1-AP (FANCL Antibody) at dilution of 1:50 (under 40x lens).