

For Research Use Only

FANCL Polyclonal antibody

Catalog Number: 14454-1-AP

Featured Product



Basic Information

Catalog Number:

14454-1-AP

Size:

150ul , Concentration: 227 ug/ml by Bradford method using BSA as the standard;

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:

WB, IHC, 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

*** 20ul sizes contain 0.1% BSA

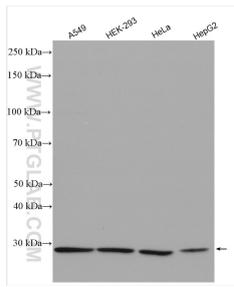
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

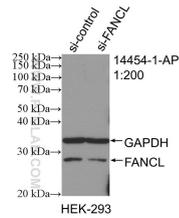
E: proteintech@ptglab.com
W: ptglab.com

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

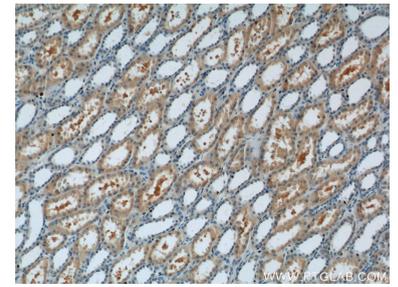
Selected Validation Data



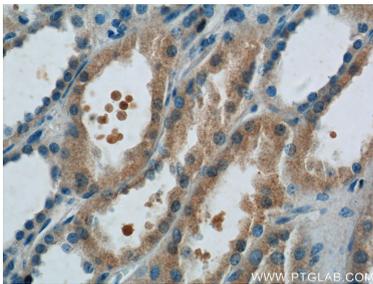
A549 cells were subjected to SDS PAGE followed by western blot with 14454-1-AP (FANCL antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).