

For Research Use Only

FANCL Polyclonal antibody

Catalog Number: 14454-1-AP

Featured Product



Basic Information

Catalog Number: 14454-1-AP	GenBank Accession Number: BC054517	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 227 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55120	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: Fanconi anemia, complementation group L	
Isotype: IgG	Calculated MW: 43 kDa	
Immunogen Catalog Number: AG6031	Observed MW: 28 kDa	

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

*** 20ul sizes contain 0.1% BSA

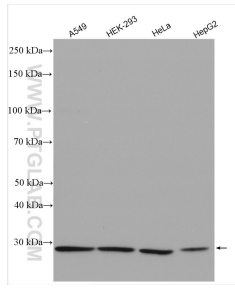
For technical support and original validation data for this product please contact:

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

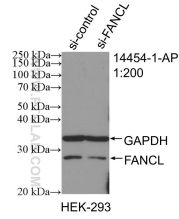
E: proteintech@ptglab.com
W: ptglab.com

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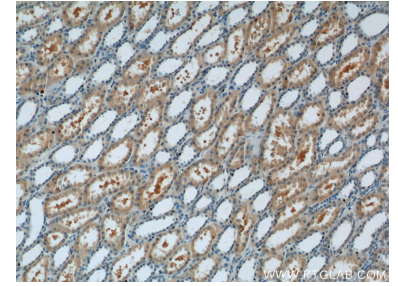
Selected Validation Data



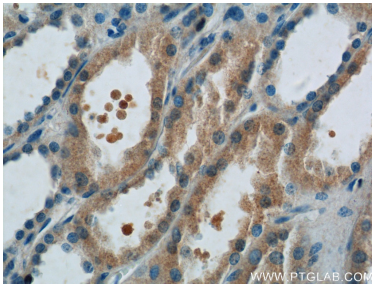
A549 cells were subjected to SDS PAGE followed by western blot with 14454-1-AP (FANCL antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).