

For Research Use Only

FANCL Monoclonal antibody

Catalog Number: 66639-1-Ig

Featured Product

3 Publications



Basic Information

Catalog Number: 66639-1-Ig	GenBank Accession Number: BC054517	Purification Method: Protein A purification
Size: 150ul, Concentration: 3200 µg/ml by Nanodrop and 2000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55120	CloneNo.: 6E2B6
Source: Mouse	Full Name: Fanconi anemia, complementation group L	Recommended Dilutions: WB 1:1000-1:3000 IF 1:400-1:1600
Isotype: IgG2a	Calculated MW: 43 kDa	
Immunogen Catalog Number: AG6192	Observed MW: 41-43 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells IF : HeLa cells,
Cited Applications: WB	
Species Specificity: Human	
Cited Species: human	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xinlin Xu	34117478	Nat Struct Mol Biol	WB
Wendy Leung	38060446	Cell Rep	WB
Emma L Traband	37777152	J Mol Biol	WB

Storage

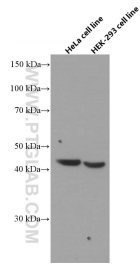
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

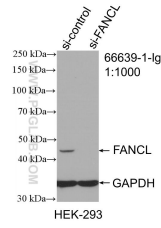
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

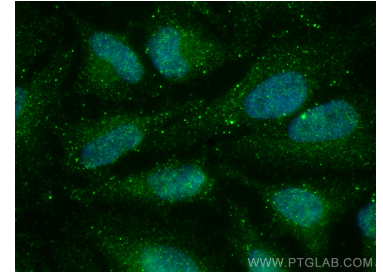
Selected Validation Data



HeLa cells and HEK-293 cells were subjected to SDS PAGE followed by western blot with 66639-1-Ig (FANCL antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of FANCL antibody (66639-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FANCL transfected HEK-293 cells.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using FANCL antibody (66639-1-Ig, Clone: 6E2B6) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).