For Research Use Only

FANCL Monoclonal antibody

Catalog Number:66639-1-Ig Featured Product 3 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
66639-1-Ig

Size:
150ul , Concentration: 3200 µg/ml by Nanodrop and 2000 µg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG6192

GenBank Accession Number:
BC054517

GeneID (NCBI):
55120

UNIPROT ID:
Q9NW38

Full Name:
Fanconi anemia, complementation group L

Calculated MW:
43 kDa

Observed MW:
41-43 kDa

Purification Method:
Protein A purification

CloneNo.:
6E2B6

Recommended Dilutions:
WB 1:1000-1:3000
IF/ICC 1:400-1:1600

Applications

Tested Applications:
WB, IF, ELISA

Cited Applications:
WB

Species Specificity:
Human

Cited Species:
human

Positive Controls:

WB : HeLa cells, HEK-293 cells

IF/ICC : HeLa cells,

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

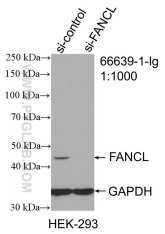
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

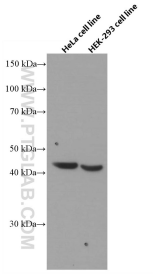
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

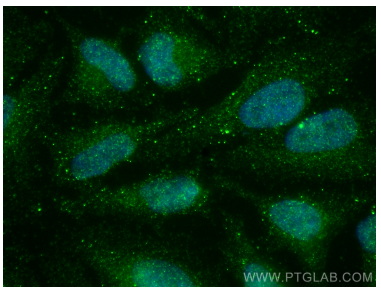
Selected Validation Data



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.



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.



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).