

For Research Use Only

FANCM Polyclonal antibody

Catalog Number: 12954-1-AP

4 Publications



Basic Information

Catalog Number:

12954-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 153 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3618

GenBank Accession Number:

BC036056

GeneID (NCBI):

57697

UNIPROT ID:

Q8IYD8

Full Name:

Fanconi anemia, complementation group M

Calculated MW:

2048 aa, 232 kDa

Observed MW:

250 kDa, 232 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: HeLa cells,

Background Information

FANCM (Fanconi anemia group M protein) is a DNA-dependent ATPase component of the Fanconi anemia (FA) core complex (PMID: 16116422). It is required for the normal activation of the FA pathway, leading to monoubiquitination of the FANCI-FANCD2 complex in response to DNA damage, cellular resistance to DNA cross-linking drugs, and prevention of chromosomal breakage (PMID: 16116422; 19423727; 20347428). FANCM is localized in the cell nucleus and can bind double-stranded DNA (dsDNA), fork-structured DNA (fsDNA), and Holliday junction substrates (PMID: 20347428; 20347429).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaofei Wang	33235465	Onco Targets Ther	WB
Zhihao Wang	33459381	EMBO J	WB
Dan Song	39021312	Cell Prolif	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

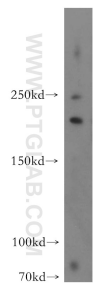
For technical support and original validation data for this product please contact:

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 were subjected to SDS PAGE followed by western blot with 12954-1-AP (FANCM antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.