

For Research Use Only

FANCM Polyclonal antibody

Catalog Number: 12954-1-AP

4 Publications



Basic Information

Catalog Number:

12954-1-AP

Size:

1000 μ g/ml

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

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

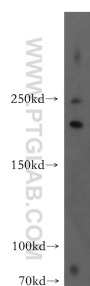
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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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.