

For Research Use Only

FANCG Polyclonal antibody

Catalog Number: 10215-1-AP

3 Publications



Basic Information

Catalog Number:

10215-1-AP

Size:

260 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0249

GenBank Accession Number:

BC000032

GeneID (NCBI):

2189

UNIPROT ID:

O15287

Full Name:

Fanconi anemia, complementation group G

Calculated MW:

69 kDa

Observed MW:

65-68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : Jurkat cells, mouse testis tissue, K-562 cells, HeLa cells, mouse thymus tissue

IP : mouse testis tissue,

IF/ICC : HeLa cells,

Background Information

FANCG, also named as XRCC9, is a vDNA repair protein that may operate in a postreplication repair or a cell cycle checkpoint function. It's a candidate tumor suppressor gene. FANCA and FANCG are critical for the localization of the FANC core complex. FANCA and FANCG form a stable complex with a molecular weight of 500 kDa that is predicted to be a heterotetramer (PMID: 32002546).

Notable Publications

Author	Pubmed ID	Journal	Application
Yi Liu	34539898	J Cancer	IF
Yuzhong Cui	35364771	Clin Transl Oncol	WB
Dinh Duc Nguyen	37163605	Sci Adv	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:

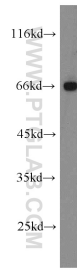
T: 4006900926

E: Proteintech-CN@ptglab.com

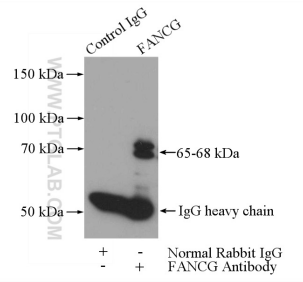
W: ptgcn.com

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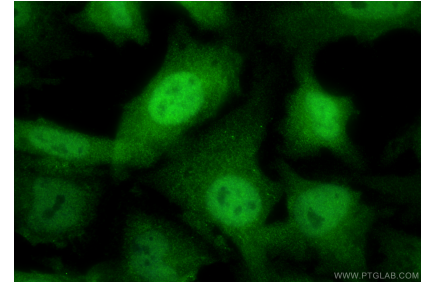
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 10215-1-AP (FANCG antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



IP result of anti-FANCG (IP:10215-1-AP, 4ug; Detection:10215-1-AP 1:300) with mouse testis tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using FANCG antibody (10215-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).