

# FANCG Polyclonal antibody

Catalog Number: 10215-1-AP

3 Publications

## Basic Information

## Catalog Number:

10215-1-AP

## Size:

260 µg/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 µg for 1.0-3.0 mg of total protein lysate

IF 1:10-1:100

## Applications

## Tested Applications:

IF/ICC, IP, WB, ELISA

## Cited Applications:

IF, WB

## 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: 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

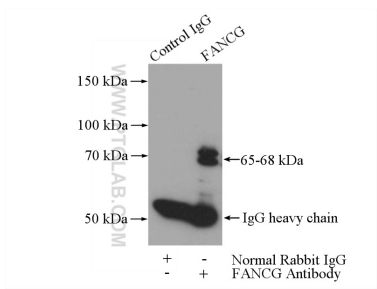
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

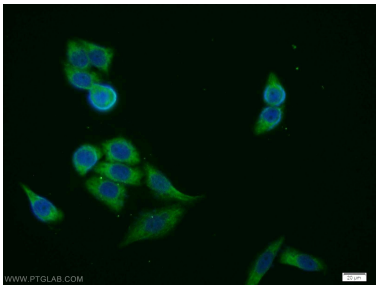
## Selected Validation Data



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 HeLa cells using 10215-1-AP (FANCG antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).