

For Research Use Only

# FANCG Polyclonal antibody

Catalog Number: 10215-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 10215-1-AP	<b>GenBank Accession Number:</b> BC000032	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 260 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2189	<b>Recommended Dilutions:</b> 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
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15287	
<b>Isotype:</b> IgG	<b>Full Name:</b> Fanconi anemia, complementation group G	
<b>Immunogen Catalog Number:</b> AG0249	<b>Calculated MW:</b> 69 kDa	
	<b>Observed MW:</b> 65-68 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, IP, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IF	<b>WB:</b> Jurkat cells, mouse testis tissue, K-562 cells, HeLa cells, mouse thymus tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IP:</b> mouse testis tissue,
<b>Cited Species:</b> human	<b>IF/ICC:</b> 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

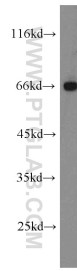
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

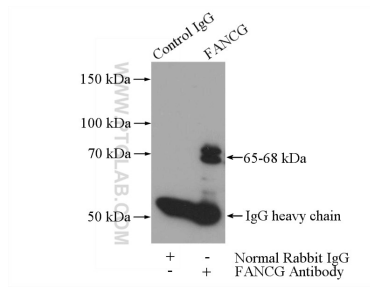
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

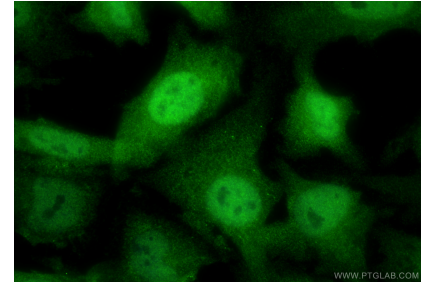
## Selected Validation Data



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).