

For Research Use Only

# XPG Polyclonal antibody

Catalog Number: 11331-1-AP

Featured Product

11 Publications



## Basic Information

**Catalog Number:**

11331-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1874

**GenBank Accession Number:**

BC031522

**GeneID (NCBI):**

2073

**UNIPROT ID:**

P28715

**Full Name:**

excision repair cross-complementing  
rodent repair deficiency,  
complementation group 5

**Calculated MW:**

1186 aa, 133 kDa

**Observed MW:**

200 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

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

IF 1:20-1:200

## Applications

**Tested Applications:**

IF/ICC, IP, WB, ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human

**Cited Species:**

human, mouse

**Positive Controls:**

**WB:** HeLa cells, HepG2 cells, Daudi cells

**IP:** HeLa cells,

**IF:** HeLa cells,

## Background Information

The human genes correcting DNA repair defects are termed excision-repair cross-complementing or ERCC genes. The ERCC5 gene corrects the excision repair deficiency of Chinese hamster ovary cell line UV135 of complementation group 5. The human ERCC5 gene product is a structure-specific endonuclease required for making the 3-prime incision during DNA nucleotide excision-repair (NER). It also plays an important role in regulating DNA excision repair, removal of bulky lesions caused by environmental chemicals or UV light [PMID:22815677]. The calculated molecular weight of ERCC5 is 133 kDa, but the modified ERCC5 protein is about 200 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Takaaki Yasuhara	30245011	Cell	WB
Li-Ming Tan	31772670	J Cancer	WB
Pallavi Rajput	27156884	Biochim Biophys Acta	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:

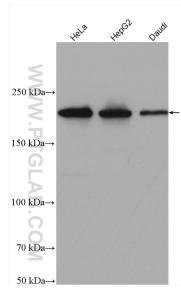
T: 4006900926

E: Proteintech-CN@ptglab.com

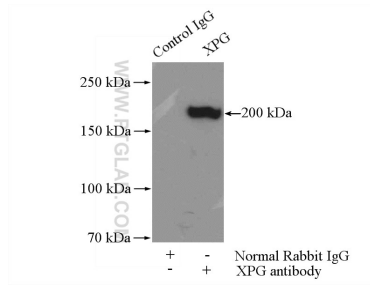
W: ptgcn.com

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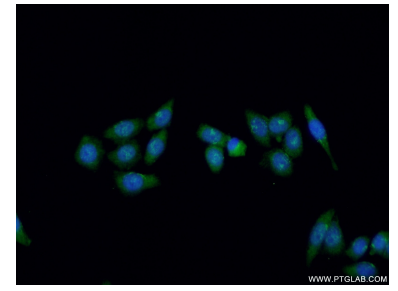
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11331-1-AP (XPG antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-XPG (IP:11331-1-AP, 4ug; Detection:11331-1-AP 1:500) with HeLa cells lysate 1200ug.



Immunofluorescent analysis of HeLa cells using 11331-1-AP (XPG antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).