

For Research Use Only

# XPG Polyclonal antibody

Catalog Number: 11331-1-AP

Featured Product

11 Publications



## Basic Information

<b>Catalog Number:</b> 11331-1-AP	<b>GenBank Accession Number:</b> BC031522	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 350 µg/ml by Nanodrop and 187 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2073	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> excision repair cross-complementing rodent repair deficiency, complementation group 5	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1186 aa, 133 kDa	
<b>Immunogen Catalog Number:</b> AG1874	<b>Observed MW:</b> 200 kDa	

## Applications

<b>Tested Applications:</b> IF, IP, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells, Daudi cells IP : HeLa cells, IF : HeLa cells,
<b>Cited Applications:</b> IF, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	

## 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

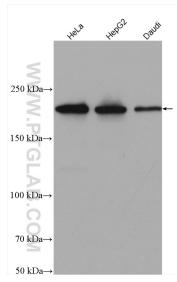
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

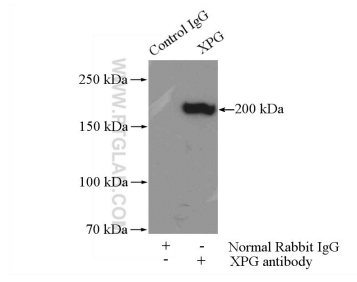
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

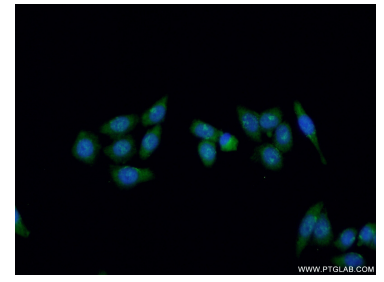
## Selected Validation Data



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).