

# Product Datasheet

## XPG Antibody NB100-74611

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 5

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**NB100-74611**

XPG Antibody

Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

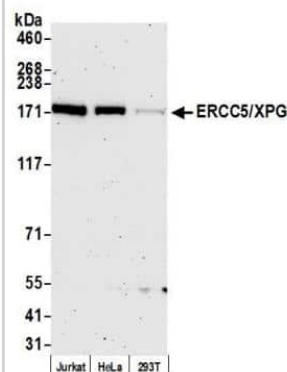
Product Description	
Description	Novus Biologicals Rabbit XPG Antibody (NB100-74611) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-XPG Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2073
Gene Symbol	ERCC5
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 650 and 700 of human excision repair cross-complementing rodent repair deficiency, complementation group 5 (xeroderma pigmentosum, complementation group G (Cockayne syndrome)) (NP_

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:100-1:500, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:100-1:500
Application Notes	Use in ICC/IF reported in scientific literature (PMID:33693861). Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

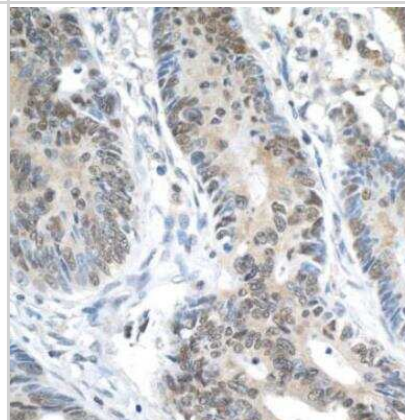


## Images

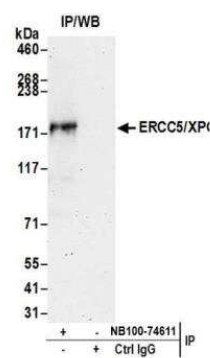
**Western Blot: XPG Antibody [NB100-74611] - Detection of human ERCC5/XPG by western blot.** Samples: Whole cell lysate (50 ug) from Jurkat, HeLa, and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-ERCC5/XPG antibody NB100-74611 used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



**Immunohistochemistry-Paraffin: XPG Antibody [NB100-74611] - FFPE section of human colon carcinoma.** Antibody: Affinity purified rabbit anti-ERCC5/XPG used at a dilution of 1:200 (1ug/ml). Detection: DAB



**Immunoprecipitation: XPG Antibody [NB100-74611] - Detection of human ERCC5/XPG by western blot of immunoprecipitates.** Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-ERCC5/XPG antibody NB100-74611 used for IP at 6 ug per reaction. For blotting immunoprecipitated ERCC5/XPG, NB100-74611 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



## Publications

van der Weegen Y, Berman HG, Mevissen TET, Apelt K The sequential and cooperative action of CSB, CSA and UVSSA targets the TFIIH complex to DNA damage-stalled RNA polymerase II Nat Commun 2020-11-07 [PMID: 33159085]

Stefos GC, Szantai E, Konstantopoulos D et al. aniFOUND: analysing the associated proteome and genomic landscape of the repaired nascent non-replicative chromatin Nucleic acids research 2021-03-08 [PMID: 33693861] (ICC/IF, Human)

van der Weegen Y, Berman HG, Mevissen TET, Apelt K The sequential and cooperative action of CSB, CSA and UVSSA targets the TFIIH complex to DNA damage-stalled RNA polymerase II bioRxiv (WB, Human)

Tillhon M, Cazzalini O, Nardo T et al. p300/CBP acetyl transferases interact with and acetylate the nucleotide excision repair factor XPG. DNA Repair (Amst) 2012-10-01 [PMID: 22954786]

Wang QE, Han C, Milum K et al. Stem cell protein Piwil2 modulates chromatin modifications upon cisplatin treatment. Mutat Res 2011-03-01 [PMID: 21310163]



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### **Products Related to NB100-74611**

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NBL1-10323	XPG Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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