

Product Datasheet

XPG Antibody NB100-74611

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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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 |

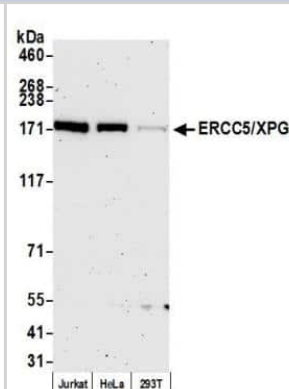
| Product Description | |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, 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. |

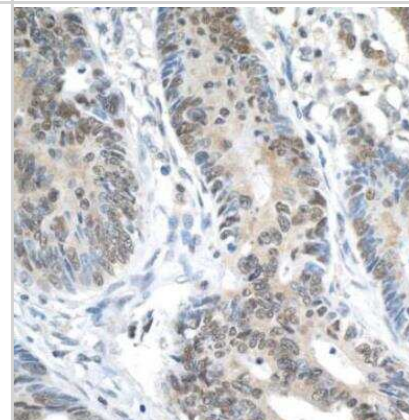


Images

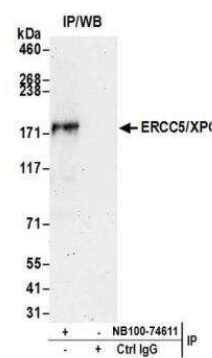
Western Blot: XPG Antibody [NB100-74611] - Detection of human ERCC5/XPG by western blot. Samples: Whole cell lysate (50 ug) from Jurkat, HeLa, and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-ERCC5/XPG antibody NB100-74611 used for WB at 0.04 ug/ml. Detection: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

| | |
|------------|-----------------------------------------------------|
| NBL1-10323 | XPG Overexpression Lysate |
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |

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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