

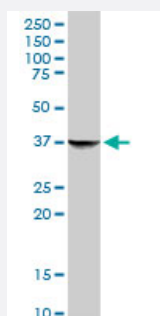
MaxPab®

# XRCC3 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00007517-D01

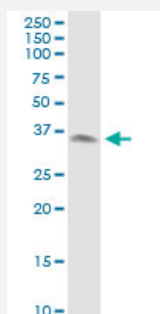
Size 100 uL

## Applications



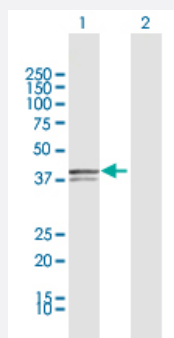
### Western Blot (Tissue lysate)

XRCC3 MaxPab rabbit polyclonal antibody. Western Blot analysis of XRCC3 expression in human liver.



### Western Blot (Cell lysate)

XRCC3 MaxPab rabbit polyclonal antibody. Western Blot analysis of XRCC3 expression in K-562.

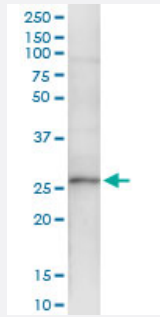


### Western Blot (Transfected lysate)

Western Blot analysis of XRCC3 expression in transfected 293T cell line ([H00007517-T02](#)) by XRCC3 MaxPab polyclonal antibody.

Lane 1: XRCC3 transfected lysate(37.8 KDa).

Lane 2: Non-transfected lysate.



## Immunoprecipitation

Immunoprecipitation of XRCC3 transfected lysate using anti-XRCC3 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with XRCC3 MaxPab mouse polyclonal antibody (B01) ([H00007517-B01](#)).

## Specification

|                                      |                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Rabbit polyclonal antibody raised against a full-length human XRCC3 protein.                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>                     | XRCC3 (NP_005423.1, 1 a.a. ~ 346 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                              |
| <b>Sequence</b>                      | MDLDLLDLNPRIIAAIKAKLKSVKEVLHFSGPDLKRLTNLSSPEVWHLLRTASLHLRGSSILTALQL<br>HQQKERFPTQHQRLSLGCPVLDALLRGGLPLDGITELAGRSSAGKTQLALQLCLAVQFPRQHGG<br>LEAGAVYICTEDAFPHKRLQQLMAQQPRLRTDVPGELLQKLRFSGQIFIEHVADVDTLLECYNKKV<br>PVLLSRGMARLVVIDSVAAPFRCEFDSSQASAPRARHLQSLGATLRELSSAFQSPVLCINQVTEAM<br>EEQGAAHGPLGFWDERVSPALGITWANQLLVRLADRLREEEAALGCPARTLRVLSAPHLPPSS<br>CSYTISAEGVRGTPGTQSH |
| <b>Host</b>                          | Rabbit                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reactivity</b>                    | Human                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Interspecies Antigen Sequence</b> | Mouse (73); Rat (73)                                                                                                                                                                                                                                                                                                                                                          |
| <b>Quality Control Testing</b>       | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Buffer</b>                | No additive                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                      |

## Applications

- Western Blot (Tissue lysate)

XRCC3 MaxPab rabbit polyclonal antibody. Western Blot analysis of XRCC3 expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

XRCC3 MaxPab rabbit polyclonal antibody. Western Blot analysis of XRCC3 expression in K-562.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of XRCC3 expression in transfected 293T cell line ([H00007517-T02](#)) by XRCC3 MaxPab polyclonal antibody.

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

## Gene Info — XRCC3

Entrez GeneID [7517](#)

GeneBank Accession# [NM\\_005432.2](#)

Protein Accession# [NP\\_005423.1](#)

Gene Name XRCC3

Gene Alias -

Gene Description X-ray repair complementing defective repair in Chinese hamster cells 3

Omim ID [600675](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene functionally complements Chinese hamster irs1SF, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents and is chromosomally unstable. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq]

**Other Designations**

DNA repair protein XRCC3|RAD51-like|X-ray repair cross complementing protein 3|X-ray-repair, complementing defective, repair in Chinese hamster

**Pathway**

- [Homologous recombination](#)

**Disease**

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Astrocytoma](#)
- [Ataxia telangiectasia](#)
- [Barrett Esophagus](#)
- [Biliary Tract Neoplasms](#)
- [Bone Neoplasms](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Chromosome Aberrations](#)
- [Chromosome Breakage](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)

- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Diarrhea](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Fibrosis](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Genital Neoplasms](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [Hematologic Neoplasms](#)
- [Hemorrhage](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Lung Neoplasms](#)

- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mesothelioma](#)
- [Micronuclei](#)
- [Mouth Abnormalities](#)
- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Myelodysplastic Syndromes](#)
- [Myocardial Infarction](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Neutropenia](#)
- [Nevus](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)

- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Pharyngeal Neoplasms](#)
- [Pleural Neoplasms](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Radiodermatitis](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Sarcoma](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Translocation](#)
- [Urinary Bladder Neoplasms](#)
- [Urologic Diseases](#)
- [Uterine Cervical Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)

- [Xeroderma Pigmentosum](#)