

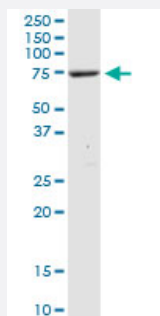
MaxPab®

XRCC1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00007515-D01P

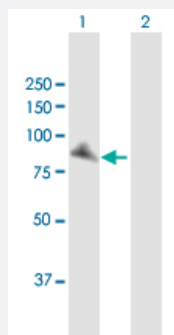
Size 100 ug

Applications



Western Blot (Tissue lysate)

XRCC1 MaxPab rabbit polyclonal antibody. Western Blot analysis of XRCC1 expression in mouse kidney.

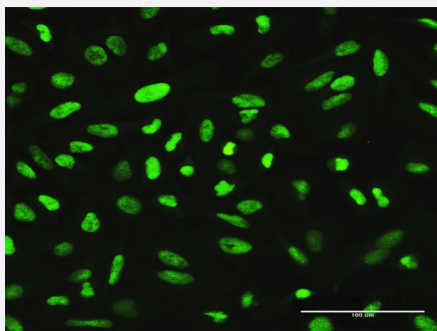


Western Blot (Transfected lysate)

Western Blot analysis of XRCC1 expression in transfected 293T cell line ([H00007515-T02](#)) by XRCC1 MaxPab polyclonal antibody.

Lane 1: XRCC1 transfected lysate(69.50 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to XRCC1 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human XRCC1 protein.

Immunogen	XRCC1 (AAH23593.1, 1 a.a. ~ 633 a.a) full-length human protein.
Sequence	MPEIRLRHVVSCSSQDSTHCAENLLKADTYRKWRAAKAGEKTISVVLQLEKEEQIHSVDIGNDGS AFVEVLVGSSAGGAGEQDYEVLLVTSSFMSPSESRSNSPNRVRMFGPDKLVRAAAEKRWDR VKIVCSQPYSKDSPFGLSFVRFHSPDPKDEAEAPSQKVTVTKLGQFRVKEEDESANSLRPGALF FSRINKTSPVTASDPAGPSYAAATLQASSAASSASPVSRIGSTSKPQESPKGKRKLDLNQEEKK TPSKPPAQLSPSVPKRPKLPAPTRTPATAPVPARAQGAVTGKPRGEGTEPRRPRAGPEELGKIL QGVVVVLSGFQNPFRSELRDKALELGAKYRPDWTRDSTHLICAFANTPKYSQVLGLGGRMRKE WVLDCHRMRRRLPSQRYLMAGPGSSSEEDEASHSGSGDEAPKLPQKQPQTKTKPTQAAGPS SPQKPPTPEETKAASPVLQEDIDIEGVQSEGQDNGAEDSGDTEDELRRVAEQKEHRLPPGQEE NGEDPYAGSTIDENTDSEEHQEPPDLVPPELPDFFQGKHFFLYGEFPGDERRKLIRYVTA FNGL EDYMSDRVQFVITAQEWDPSFEEALMDNPSLAFVRPRWIYSCNEKQKLLPHQLYGVVPQA
Host	Rabbit
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (86)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

XRCC1 MaxPab rabbit polyclonal antibody. Western Blot analysis of XRCC1 expression in mouse kidney.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of XRCC1 expression in transfected 293T cell line ([H00007515-T02](#)) by XRCC1 MaxPab polyclonal antibody.

Lane 1: XRCC1 transfected lysate(69.50 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to XRCC1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — XRCC1

Entrez GeneID [7515](#)

GeneBank Accession# [BC023593.2](#)

Protein Accession# [AAH23593.1](#)

Gene Name XRCC1

Gene Alias RCC

Gene Description X-ray repair complementing defective repair in Chinese hamster cells 1

Omim ID [194360](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is involved in the efficient repair of DNA single-strand breaks formed by exposure to ionizing radiation and alkylating agents. This protein interacts with DNA ligase III, polymerase beta and poly (ADP-ribose) polymerase to participate in the base excision repair pathway. It may play a role in DNA processing during meiosis and recombination in germ cells. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. [provided by RefSeq]

Other Designations DNA repair protein XRCC1|X-ray repair cross complementing protein 1|X-ray-repair, complementing defective, repair in Chinese hamster

Pathway

- [Base excision repair](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomyoma](#)
- [Alzheimer disease](#)

- [Amyotrophic lateral sclerosis](#)
- [Arthritis](#)
- [Ataxia telangiectasia](#)
- [Azoospermia](#)
- [Barrett Esophagus](#)
- [Biliary Tract Neoplasms](#)
- [Bone Neoplasms](#)
- [Brain Ischemia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Diseases](#)
- [Breast Neoplasms](#)
- [Burkitt lymphoma](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Cataract](#)
- [Cerebrovascular Accident](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Chromosome Aberrations](#)
- [Chromosome Breakage](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cocarcinogenesis](#)
- [Colon cancer](#)

- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Cystic Fibrosis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fibrosis](#)
- [Gallbladder Neoplasms](#)
- [Gallstones](#)
- [Gastritis](#)
- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genital Neoplasms](#)
- [Genomic Instability](#)
- [Glaucoma](#)
- [Glioma](#)
- [Graft vs Host Disease](#)
- [Graves Disease](#)
- [Head and Neck Neoplasms](#)

- [Heartburn](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hematologic Neoplasms](#)
- [Hemorrhage](#)
- [Hepatitis](#)
- [Hepatitis B](#)
- [Hodgkin Disease](#)
- [Infertility](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leiomyoma](#)
- [Leukemia](#)
- [Leukoplakia](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Macular Degeneration](#)
- [Malignant melanoma](#)
- [Melanoma](#)

- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mental Status Schedule](#)
- [Mesothelioma](#)
- [Micronuclei](#)
- [Microsatellite Instability](#)
- [Mouth Abnormalities](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Neutropenia](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Pharyngeal Neoplasms](#)
- [Pleural Neoplasms](#)

- [Precancerous Conditions](#)
- [Precursor B-Cell Lymphoblastic Leukemia-Lymphoma](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Salivary Gland Neoplasms](#)
- [Sarcoma](#)
- [Schizophrenia](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)
- [Sunburn](#)
- [Testicular Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Translocation](#)
- [Ureteral Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Urologic Diseases](#)
- [Urologic Neoplasms](#)

- [Uterine Cervical Neoplasms](#)
- [Uterine Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)
- [Xeroderma Pigmentosum](#)