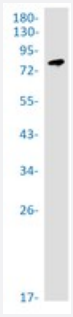
RecomAb™

XRCC1 recombinant monoclonal antibody, clone R02-0B0

Catalog # RAB04418 Size 100 uL

Applications



Western Blot

Western blot analysis of PC-12 whole cell lysate with XRCC1 recombinant monoclonal antibody, clone R02-0B0 (Cat # RAB04418).

Western Blot

Western blot analysis of Lane 1: A549 whole cell lysate, Lane 2: MCF-7 whole cell lysate and Lane 3: 293T whole cell lysate with XRCC1 recombinant monoclonal antibody, clone R02-0B0 (Cat # RAB04418).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human XRCC1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human XRCC1.
Theoretical MW (kDa)	Calculated MW: 69 kD
Reactivity	Human, Rat
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence (1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Western Blot

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- Western Blot

  Western blot analysis of Lane 1: A549 whole cell lysate, Lane 2: MCF-7 whole cell lysate and Lane 3: 293T whole cell lysate with XRCC1 recombinant monoclonal antibody, clone R02-0B0 (Cat # RAB04418).

- Immunocytochemistry

- Immunofluorescence

Gene Info — XRCC1

Entrez GeneID	7515
Protein Accession#	P18887
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 meiogenesis 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