RecomAb™

XRCC1 recombinant monoclonal antibody, clone R05-7K6

Catalog # RAB06510 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human XRCC1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human XRCC1.
Theoretical MW (kDa)	Calculated MW: 69 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunofluorescence(1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol and 0.02% Sodium azide)
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.

Applications

- Western Blot
- Immunohistochemistry

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- Immunofluorescence

Gene Info — XRCC1

Entrez GeneID	7515
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

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- 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

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- 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

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- 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

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- 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

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- 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

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- Uterine Cervical Neoplasms
- Uterine Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome
- Xeroderma Pigmentosum

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