

RecomAb™

ERCC2 recombinant monoclonal antibody, clone R08-2I3

Catalog # RAB01821 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane1: Jurkat and Lane2: Hela lysates with ERCC2 recombinant monoclonal antibody, clone R08-2I3 (Cat # RAB01821).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ERCC2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ERCC2.
Theoretical MW (kDa)	Calculated MW: 87 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	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 -20 °C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane1: Jurkat and Lane2: Hela lysates with ERCC2 recombinant monoclonal antibody, clone R08-2I3 (Cat # RAB01821).

- Immunocytochemistry

Gene Info — ERCC2

Entrez GeneID[2068](#)**Protein Accession#**[P18074](#)**Gene Name**

ERCC2

Gene Alias

COFS2, EM9, MGC102762, MGC126218, MGC126219, TTD, XPD

Gene Description

excision repair cross-complementing rodent repair deficiency, complementation group 2

Omim ID[126340](#) [278730](#) [601675](#) [610756](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The nucleotide excision repair pathway is a mechanism to repair damage to DNA. The protein encoded by this gene is involved in transcription-coupled nucleotide excision repair and is an integral member of the basal transcription factor BTF2/TFIIH complex. The gene product has ATP-dependent DNA helicase activity and belongs to the RAD3/XPD subfamily of helicases. Defects in this gene can result in three different disorders, the cancer-prone syndrome xeroderma pigmentosum complementation group D, trichothiodystrophy, and Cockayne syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

excision repair cross-complementing rodent repair deficiency, complementation group 2 protein|xeroderma pigmentosum complementary group D

Pathway

- [Nucleotide excision repair](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Arsenic Poisoning](#)
- [Astrocytoma](#)
- [Ataxia telangiectasia](#)
- [Azoospermia](#)
- [Barrett Esophagus](#)
- [Biliary Tract Neoplasms](#)
- [Bone Neoplasms](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Diseases](#)
- [Breast Neoplasms](#)
- [Burkitt lymphoma](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cataract](#)
- [Cell Transformation](#)
- [Cerebrovascular Accident](#)
- [Cervical Intraepithelial Neoplasia](#)

- [Chromosome Aberrations](#)
- [Chromosome Deletion](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cockayne syndrome](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Diarrhea](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Gallbladder Neoplasms](#)
- [Gallstones](#)
- [Gastritis](#)
- [Gastrointestinal Diseases](#)

- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Heartburn](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hodgkin Disease](#)
- [Hyperkeratosis](#)
- [Hyperplasia](#)
- [Keratosis](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leiomyoma](#)
- [Leukemia](#)
- [Leukopenia](#)
- [Leukoplakia](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)

- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Macular Degeneration](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mesothelioma](#)
- [Micronuclei](#)
- [Mouth Abnormalities](#)
- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Myelodysplastic Syndromes](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Neurotoxicity Syndromes](#)
- [Neutropenia](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Oligodendroglioma](#)

- [Osteosarcoma](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pleural Neoplasms](#)
- [Precancerous Conditions](#)
- [Precursor B-Cell Lymphoblastic Leukemia-Lymphoma](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Radiation Injuries](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Sarcoma](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)
- [Sunburn](#)
- [Testicular Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Translocation](#)
- [Ureteral Neoplasms](#)

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