

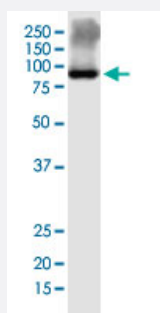
CX Grade

ERCC2 monoclonal antibody (M01J), clone 4G2-2A6

Catalog # H00002068-M01J

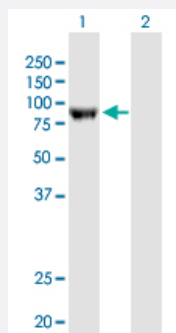
Size 100 ug

Applications



Western Blot (Cell lysate)

ERCC2 monoclonal antibody (M01J), clone 4G2-2A6. Western Blot analysis of ERCC2 expression in K-562.

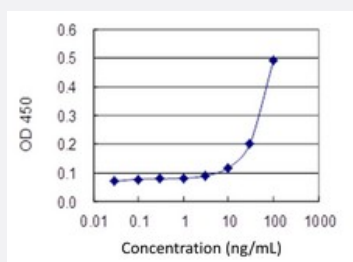


Western Blot (Transfected lysate)

Western Blot analysis of ERCC2 expression in transfected 293T cell line by ERCC2 monoclonal antibody (M01J), clone 4G2-2A6.

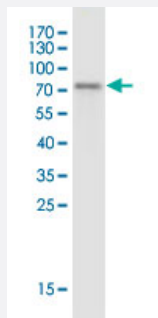
Lane 1: ERCC2 transfected lysate (Predicted MW: 86.9000000 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ERCC2 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (70.29 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ERCC2. This product is belong to Cell Culture Grade Antibody (CX Grade).
Immunogen	ERCC2 (AAH08346, 1 a.a. ~ 405 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MRELKRTLDAKGHGVLEMPSTGKTVSLLALIMAYQRAYPLEVTKLIYCSRTVPEIEKVIEELRKLLN FYEKQEGEKLPFLGLALSSRKNLCHPEVTPLRFGKDVDGKCHSLTASYVRAQYQHDTSLPHCRF YEEFDAHGREVPLPAGIYNLDDLKALGRRQGWCPYFLARYSILHANVVVSYHYLLDPKIADLVSK ELARKAVVVFDEAHNIDNVCIDSMSVNLTRRTLDRCQGNLETLQKTVLRKETDEQRLRDEYRRLV EGLREASAARETDAHLANPVLDPDEVLQEAVPGSIRTAEHFLGFLRRLLLEVWKWRLRVQHVQES PPAFLSGLAQRVCIQRKPLRFCAERLRSLLHTLEITDLADFSPLTLLANFATLVSTYAKGQAQHC SSRNQKRSH
Host	Mouse
Reactivity	Human
Preparation Method	Cell Culture Production
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (70.29 KDa) .
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 (Cell lysate)

ERCC2 monoclonal antibody (M01J), clone 4G2-2A6. Western Blot analysis of ERCC2 expression in K-562.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of ERCC2 expression in transfected 293T cell line by ERCC2 monoclonal antibody (M01J), clone 4G2-2A6.

Lane 1: ERCC2 transfected lysate (Predicted MW: 86.9000000 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ERCC2 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ERCC2

Entrez GeneID [2068](#)

GeneBank Accession# [BC008346](#)

Protein Accession# [AAH08346](#)

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](#)
- [Keratoses](#)
- [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](#)