

Rabbit ERCC5 Polyclonal Antibody | anti-ERCC5 antibody

ERCC5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326260	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

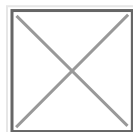
PRODUCT SYNONYMS

ERCC5; Polyclonal Antibody; ERCC5 Antibody; COFS 3; COFS3; DNA excision repair protein ERCC 5; DNA excision repair protein ERCC-5; DNA excision repair protein ERCC5; DNA repair protein complementing XP G cells; DNA repair protein complementing XP-G cells; DNA repair protein complementing XPG cells; ERCC 5; ERCC5_HUMAN; ECRM 2; ECRM2; Excision repair cross complementation group 5; Excision Repair Cross Complementing Rodent Repair Deficiency; Excision repair cross complementing rodent repair deficiency complementation group 5; Excision repair protein; OTTHUMP00000064902; UVDR; Xeroderma Pigmentosum Complementation Group G; Xeroderma pigmentosum complementation group G protein; Xeroderma pigmentosum group G complementing protein; Xeroderma pigmentosum group G-complementing protein; XPG; XPG complementing protein; XPGC; anti-ERCC5 antibody

PRODUCT SPECIFICATIONS

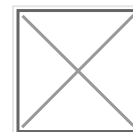
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ERCC5 antibody detects endogenous levels of total ERCC5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1186
Applicable Applications for anti-ERCC5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ERCC5
Subcellular Location	Nucleus.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of fetal brainlysate, using ERCC5 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326260 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA326260 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ERCC5 antibody	Description: This gene encodes a single-strand specific DNA endonuclease that makes the 3' incision in DNA excision repair following UV-induced damage. The protein may also function in other cellular processes, including RNA polymerase II transcription, and transcription-coupled DNA repair. Mutations in this gene cause xeroderma pigmentosum complementation group G (XP-G), which is also referred to as xeroderma pigmentosum VII (XP7), a skin disorder characterized by hypersensitivity to UV light and increased susceptibility for skin cancer development following UV exposure. Some patients also develop Cockayne syndrome, which is characterized by severe growth defects, mental retardation, and cachexia. Read-through transcription exists between this gene and the neighboring upstream BIVM (basic, immunoglobulin-like variable motif containing) gene. [provided by RefSeq, Feb 2011] Function: Single-stranded structure-specific DNA endonuclease involved in DNA excision repair. Makes the 3'incision in DNA nucleotide excision repair (NER). Acts as a cofactor for a DNA glycosylase that removes oxidized pyrimidines from DNA. May also be involved in transcription-coupled repair of this kind of damage, in transcription by RNA polymerase II, and perhaps in other processes too. Subunit Structure: Interacts with PCNA. Similarity: Belongs to the XPG/RAD2 endonuclease family. XPG subfamily.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	51988900
NCBI GeneID	2073
NCBI Accession #	NP_000114.2
NCBI GenBank Nucleotide #	NM_000123.3
UniProt Accession #	P28715; Q5JUS4; Q5JUS5; Q7Z2V3; Q8IZL6; Q8N1B7; Q9HD59; Q9HD60; A6NGT4
Molecular Weight	Observed: 133 kDa Predicted: 134 kDa
NCBI Official Full Name	DNA repair protein complementing XP-G cells
NCBI Official Synonym Full Names	ERCC excision repair 5, endonuclease
NCBI Official Symbol	ERCC5
NCBI Official Synonym Symbols	XPG; UVDR; XPGC; COFS3; ERCM2; ERCC5-201
NCBI Protein Information	DNA repair protein complementing XP-G cells
UniProt Protein Name	DNA repair protein complementing XP-G cells
UniProt Gene Name	ERCC5
UniProt Synonym Gene Names	ERCM2; XPG; XPGC

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.